WHITEPAPER

YOUBLOB AS

YOUBLOB
YOUR ONLINE MAKERSPACE

Appendix

Youblob White Paper 0.3.5   *03. October. 2018*
All concepts and technical proposals outlined in this document
are working hypotheses and subject to change and correction.

1

Youblob White Paper 0.3.5   03. October. 2018
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2

Disclaimer

This document is a vision document and should not be considered a specification.
Our Whitepaper is for general informational purposes only and may change as our Platform is developed over time.

Other than Youblob, the use of any company and/ or platform names and trademarks does not imply any affiliation with, or endorsement by any of those parties.

Executive Summary

Youblob is an enabler for rapid prototyping, giving a set of tools for a collaborative production and distributor chains, through a SMART open marketplace, non-excluding.

The solution is fronted as an Online Makerspace and act as a social community, built on top of an e-commerce CMS platform.

The main purpose is to lower the threshold and be inclusive for every person, institution, organisation, and company. Allowing Users a better overview of what works with other similar components and products, in order to easily create new iterations, all while maintaining the value chain.

A collaborative effort to heighten the skill levels globally is needed, including a mapping of the different needs in different regions of the world, providing solution to easily scale and going from an idea to physical product.

Product iterations are traced, and Youblob completes the information from the last value chain, giving valuable information in return to what happens to a product after it leaves the store, with full open Traceability back to Distributors, Manufacturers and End-Users.

Through Smart-Contract capabilities, AI and ML, Youblob will have an ongoing development to further enhance product iterations, e-commerce and manufacturing functions as a globalized effort around Rapid Prototyping. Where the current goal is to enable Industry 5.0, allowing Users to go from a digital idea, back to a physical product. Which is viable to do based on the effort done in Industry 4.0 in regard to automation processes. *(Please note: Industry 5.0 is not yet defined)*

Youblob also provide optimizations around distributor chains, warehouse administration and Intellectual Property from publications made by Users.

Youblob understands the impact of Sustainable Development Goals set by United Nations and is working hard to be an enabler in lowering the CO_2 imprint, generate less waste and optimize the use of resources. Manufacturing and use of resources will change dramatically in the coming years, as increasingly more will be based on local production.

Youblob's Target Market is:
- Creative Users and Makerspaces
- Users with existing web shops.
- Companies that offer Services and Products

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3

Definitions

- **"Blueprint"** is one of the main functions on the Youblob platform where users explain how something is created. A recipe that consists of a Step-by-Step guide which includes the ability to add and/or link components and products, both internally *(products listed on Youblob domain)*, and externally *(products listed on f.ex amazon/ebay etc)*.

- **"Blueprint Components"** is an item that is needed to create the new Product or Function, or to edit and generate an iteration of an existing Product or Function, and is part of the Step-by-Step guide in the Blueprint for inclusion of these artefacts.
Components includes Media files (Video, Pictures), Design files (2D, 3D, VR, AR), Codes, other existing Products, Mathematical equations, Chemical composition, Biological compounds, different Programming languages and the actual Step-by-Step guide.

- **"Blueprint Author"** is the Person or Company that publishes a Blueprint on how Components are combined to create a function and/or solution.

- **"DIY"** Do It Yourself, meaning purchase the components needed, and build it yourself.
All parts needed is delivered from the different suppliers linked in the BOM in the Blueprint.

- **"Finished Product"** A complete product, meaning no need for major assembly or coding.
All parts needed is delivered from one Person/Company when purchased.

- **"BOM"** Bills of Material are products, components and tools.
The BOM is directly connected to the Blueprint and incentivises the User who creates a Blueprint that leads to a sale based on the Revenue set on each product from their respective suppliers.

- **"Tool"** Required tools needed to assemble a DIY Blueprint. These can be added to the Blueprint and also sold as separate products.

- **"Product"** is an item that can be sold, this includes digital downloadable products as well as physical products.

- **"Incentives"** is the function where Users receive money back for using and combining components, products and tools from Distributors that leads to a sale through a Blueprint.

- **"Referral Fee"** is the function where Users receive money back for referring other Users into Youblob solution.

- **"Youblob App"** is the Smartphone Mobile Application for Youblob, to easier create Blueprints on the go.

- **"ICO"** an Initial Coin Offering for a currency that *can* be implemented on Youblob based on Blockchain technology. However, Youblob will make a strong effort to connect and adapt our solution on top of an existing blockchain in order to generate a more valuable ecosystem.

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
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4

- **"Wallet"** is the End-Users Account of Income for receiving incentives and purchasing products on Youblob, including Memberships handling and Promotional offers.

- **"Verified Login"** is a part of the 2-Step Verification program based on Blockchain and Smart contract identification to verify End-Users logging in to Youblob.

- **"ML"** Machine Learning is a backend function to understand published content.
  Not only to collect and use data, but to be an enabler in creating a SMART E-commerce platform for the End-Users with added value and conformity.

- **"AI"** an Artificial Intelligence Service that act on instances in the platform based on publications, prices, End-Users consent and collaboration.

- **"Revenue"** is the percentage (%) value added to a Product from a Distributor, allowing Blueprint Authors to receive Incentives to their Wallet by using Products and Tools from Distributors in their BOM.

- **"Membership"** is the End-Users and Companies defined state on Youblob to unlock extra functions. These are adapted to conform early stage End-Users and Organizations, as well as large Enterprises with Distributor chains.

- **"Subscriptions"** End-Users can subscribe to Blueprints to be notified about changes, as well as End-Users and Companies, which notifies on new content.

- **"Traceability"** A function to understand what a component have been used for.

- **"API"** Application Programming Interface – A function to connect external solutions between Youblob and a 3rd party.

- **"Adaptive Payments"** Adaptive payments handles payments between a sender of a payment and one or more receivers of the payment, this is to enable a split payment for One-click Checkout function from several distributors, or to receive incentives or referral paybacks.

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5

Concept

Thank you for taking the time to read our whitepaper and to understand how Youblob works.

Youblob is an Open Source Community solution, built on top of an E-Commerce CMS solution.

Youblob's main purpose is to lower the threshold to include every person, institution, organisation, and companies into the solution. Giving Users a better overview of what works with other similar components and products, to easily create new iterations and get them produced in their own region, all while maintaining the value chain.

We introduce 5 different membership options on our platform:

Free	Premium User	Organisation		Distributor	Manufacturer
0,-/month	99,-/month	299,-/month		899,-/month	9899,-/month
✔ Create Blueprints	✔ Create Blueprints	✔ Create Blueprints		✔ Create Blueprints	✔ Create Blueprints
✔ Earn Revenue	✔ Earn Revenue	✔ Earn Revenue		✔ Earn Revenue	✔ Earn Revenue
✖ Own Webshop	✔ Own Webshop	✖ Own Webshop		✔ Own Webshop	✔ Own Webshop
✖ Event Calendar	✖ Event Calendar	✔ Event Calendar		✔ Set Revenue	✔ Set Revenue
✖ Offer Services	✖ Offer Services	✔ Offer Services		✔ Event Calendar	✔ Event Calendar
	🔥 Link Makerspace	🔥 Approve Maker		✔ Offer Services	✔ Offer Services
		🔥 Membership Management		🔥 Link Manufacturer	🔥 Approve Distributors
		🔥 Makerspace Management			🔥 Expand Network
SIGN UP NOW	SIGN UP NOW	SIGN UP NOW		SIGN UP NOW	SIGN UP NOW

Each option is defined as a level of involvement, and opportunities given/taken through the system. We make it possible to start from nothing, and based on the income received there, make it all the way to the top, based only on the Users effort and skills. All within the same system, and without having to invest any of your money, only spending time and publishing solutions on how to connect different components with each other. A fully sustainable system for products and prototyping.

To understand the Youblob concept, please think of everything as a Product. This way we simplify a lot when we talk about Youblob. Since it is a blob that allows for many different inputs, it gives each User its different purposes and values depending on which step of the ladder you are at or your area of interest.

A component connected with other components/code etc. becomes a product. A component by itself is also a product. You the User with your unique knowledge is a product, your Company is a product, and your local brewing club is a product. A mathematical equation is a product, a chemical composition is a product, showing others how to put on make-up? is a product (according to Youtube these videos gets millions of hits), or even better …show how to build and set up your own solar panels etc.

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6

Product Example

A hammer is just a hammer, a simple product when it is sold, but it can also be set as a tool needed in order to create a Blueprint, or one could iterate on the hammer, put a G-force sensor on it and create a totally new product through a Blueprint.

A product can therefor coexist in several data pools, either as a component, a tool or a product. And by segmenting through these data pools we allow ML and AI to understand what requirements products have, along with their purpose. We extrapolate more about this in the ML and AI section.

Use Case Example (Free Account)

Let us say I am a young person from Nigeria, and as water is scarce we have been given these straws that allow us to drink from the river which gives us purified water. I find the idea quite nice, but I need to bring water back to my family as well, so I add a water pump on top of the straw to fill up my water tank.

I have made a new iteration of the straw and improved it for my use case.

I have no clue about Intellectual Property, Patents, how to set up a webshop, how to create business partners etc. But I would really like to help others by offering them a solution.

So I publish the solution on Youblob, add the straw from the external website link, the water pump is sold on Youblob with a 20% revenue, meaning I will earn 20% of its sale price every time someone purchases this blueprint.
100 people bought the solution, I now have enough money and the option to start a business out of it.

Use Case Example (Distributor)

Let's continue the story from the Free Account example.

With one click I upgrade my Youblob account which gives me access to a complete webshop on the Youblob platform. No coding needed, or any server administration. Here I can sell the pumps as finished products since there are some minor tweaks that needs to be done before they can be attached.

I start selling over a 1000, and I am unable to maintain the orders, so I find a local company through the Services on Youblob to help with the workload, and things are back on track again.

The straw manufacturer notices heightened sales, and a lot of web traffic coming from a specific blueprint published on Youblob.

The straw manufacturer cannot patent the solution because it is officially published already, so they reach out to me as they would like a business partnership to overcome the IP of the straw and pump combined in order to sell it as a complete bundled package, they connect with me through Youblob.

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
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7

Use Case Example (Enterprise/Manufacturer)

The straw manufacturer registers on Youblob and go for the Enterprise membership, they add their own products on Youblob, and through their Administration Dashboard they can request, approve and remove Distributor linking from other Users webshop's on Youblob. They check my ratings and Users feedback on Youblob, send me a request to connect and I approve the connection. When a distributor is linked to a Manufacturer the webshop for the Distributor gets access to all the products that the straw manufacturer sells, even though all of them are 0 in stock, people can still backorder from me locally.

The straw manufacturer notices how easy it is to expand their distributor network with just one click, so they go through User listings on Youblob sorting on good ratings and based on geolocation. They start contacting people they would never have been able to reach otherwise, sorting on geolocation.

Since Youblob enables interconnected webshop, meaning an Electronics distributor in Delhi for example, can start selling straws without risking any capital or storage space, as they can keep it as a Backorder item until they start getting a decent sale every month.

The straw manufacturer now have an international supply chain, and whenever they add a new product (or retire/discontinue), all their Distributors will be automatically updated on the product catalogue without any administration on their side.

Use Case Example (Organisation)

After I finish working on the farm and shipped todays orders, I attend the local Robotic Union which is set up at our school. Everyone works on different projects, and I ask the Union leader what they are all working on. I get the answer that I need to go around and ask the different persons and groups.
This applies to previous finished projects as well. There is no overview.

I tell them to register at Youblob, including the persons in the different project groups, and connect their account to their local Robotic Union. (This is a similar function between Manufacturer and Distributor, just that here we do not rely on sales and products, but published Blueprints and Blueprint Authors).

Through the Administration Dashboard the Robotic Union get several functions to help with the administration of the union. This includes Membership handling to approve/reject members.
Membership fee for the Union, and payment for membership.
Inventory handling as the Union need to keep track of depleted items and keep a small stock of different parts for the different projects.
Booking Tool allowing their members to book a time on the different tools like 3D printers and CNC machines they have at the Union.

They all publish their different projects as Blueprints, and the Robotic Union fetches all of these automatically into their Union profile on Youblob, allowing them to get an overview of all the different projects the members in the union is doing. They will also see how much value the projects have generated. Some of the projects generate value in the local town, so the Union applies for funding towards the Municipality, with reference to the projects they have achieved. Funding gets approved much easier based on traceable facts, sales and better understanding of the projects.
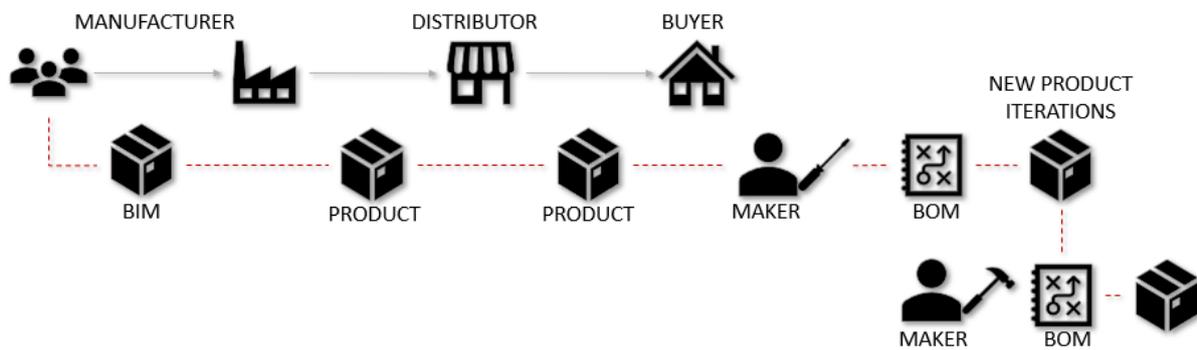
Youblob White Paper 0.3.5   *03. October. 2018*

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8

Use Case Summary

Youblob is a tool to help underlying administration and optimisation to take effect around iterations on a global scale.

Youblob creates a red line starting from the Manufacturer who creates products, through the Distributor network, all the way to the End-Users who creates a new iteration in their local workshop or garage. Optimising each segment to fit the specific Users. All while maintaining the value chain through each iteration made.

(red stapled line = traceability – today we have none after a sale, Youblob enables full traceability)

Currently there is almost no traceability on a product after it is sold and leaves the store, and where there is, the lack of interoperability and cross-reference between major subjects for understanding how products are used in conjunction is non-existing.

In context to the above image, a designer creates a BIM model and 3D design of a product.
BIM is sent to the Factory, they create the product there, and ship the product.
Lost in transit is now the 3D design and BIM information.
Product is received at Distributor, they sell the Product to a Consumer.
There is no understanding of what happens to a Product after it leaves the store.
Youblob follows each product, and each iteration that is given around any artefact that is published on the platform, giving traceability all the way back to the Manufacturer.

Youblob simplify the process in building iterations, setting up a business around it and scaling it. Combining major subjects with cross reference through a Blueprint generates not only a new standard within prototyping, but allows for a better understanding of the key elements required to create a fully autonomous prototype that goes from a digital idea, back to a physical product.

The Minimal Viable Product that is currently launched at Youblob, supports Blueprint creations around consumer materials, electronics, mechanics, food products, textile, programming and design.
Key artefacts as Chemistry, Math, Physics and Biology **will** be adapted to the Blueprint. These rely on 3rd party integration and is a key element that will contribute to the Blueprint functionality.

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
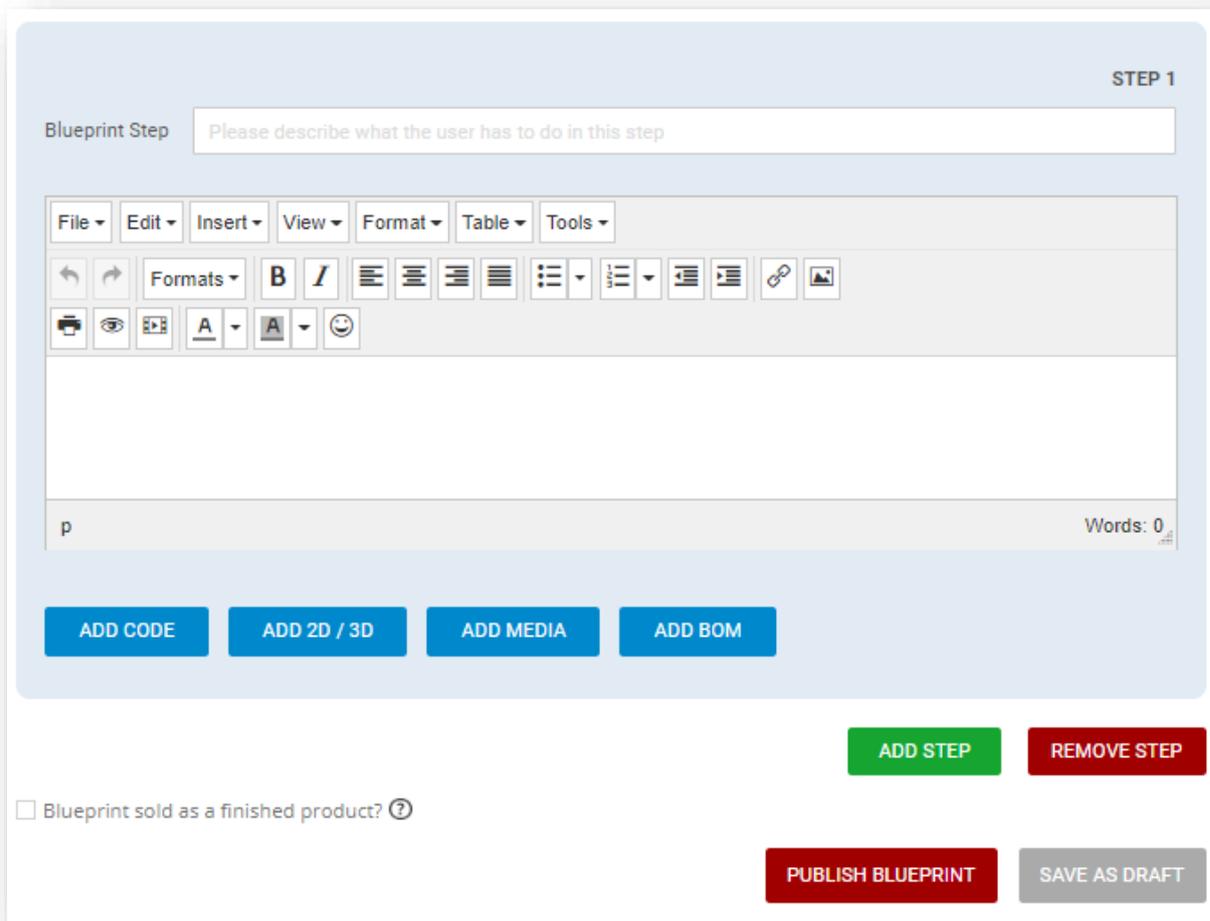*are working hypotheses and subject to change and correction.*

9

Front End

The Front End consists of the User Interface and gives an overview of the key elements that Users interact with on Youblob.

Youblob Platform

Blueprints

The main function on Youblob is the Blueprint.

The Blueprint is a step-by-step Guide where you explain how something is built.
Users are able to connect code, media, components and existing products directly into the guide.

They can also be saved as drafts to be worked on later.

A Blueprint is used to explain how you created your new iteration, helping other people to build the same artefact.

Companies that offer Revenue on their products, will incentivise blueprint authors, each time a sale is done through the Blueprints containing products from the different distributors.

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
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10

Youblob allow for External Linking, meaning if you want to earn revenue from services like Amazon referral links etc. This is totally possible. Just note that the buyers will not get the one-click checkout function, so we advise people to publish their products on Youblob.

Blueprints can also be converted to a product with one click, when Users upgrade their membership from Free to any of the paid membership.
Blueprints can be sold as Do It Yourself kit (Components only with instructions on how to assemble), and/or as Finished Product (No assembly needed).
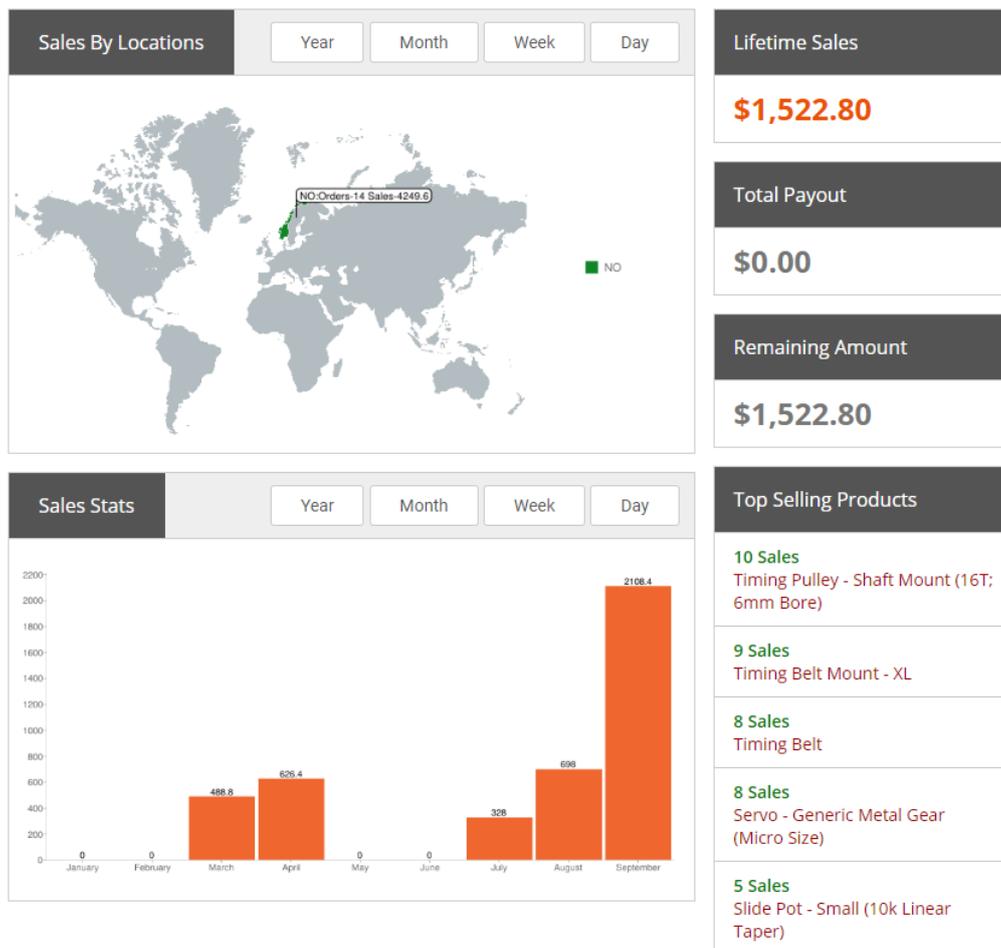
Marketplace

Users shall be able to upgrade their account (paid membership), to get access to sell their own products on Youblob.

The marketplace consists of its own Dashboard for handling orders, and a complete overview of order history. A fully functional e-commerce site directly connected to a global maker community.

The Marketplace categories is segmented in a new innovative way to help Users easily find products and similarities to be used in new iterations, and to help ML understand core attributes.

Dashboard Example

Youblob White Paper 0.3.5   *03. October. 2018*
All concepts and technical proposals outlined in this document
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11

One-click Checkout

Youblob's functions supports buying from multiple distributor at once with a one-click checkout, where buyers will get products from different distributors added to their cart when purchasing products through the Blueprint.

Traceability

All products are mapped towards Blueprints they are used in and is open for everyone to see.

Example:
I am building a SatCube with laser communication and check other blueprints around this type of laser. I notice that I need to use 3.3 V and not 5 V power supply, based on other projects using similar components. I see this clearly even before the project is started.

Services

Users can upgrade their account (paid membership), to be able to offer their own services on Youblob.

Services is aimed at helping other Users achieve their product goals, whether it is a new product that they need help with design, the need to scale up production or achieve a higher quality.
Currently it is segmented into 3 categories.
- Technical (early design phase)
- Production (market)
- Administration (further enhancements)

Calendar

Users shall be able to keep track of local events that they subscribe to, calendar also allows for tickets to be purchased and handled through the same platform.

Calendar will be based on Geolocation mapping and categories based on main subjects.

To sell tickets, a paid membership is needed.
To purchase tickets no membership other than Free Account is needed.

The Calendar is part of the booking tool, i.e booking of equipment f.ex at your local makerspace.

Collaboration Tools

Social collaboration tool with chat/video conference/whiteboard will be part of the final release and integrated on the Front End UI.

Promotions (Integrated Marketing channel)

Users will have the possibility to promote their own Blueprints, Products, Services and Events.
The promotion adds their content to the top block of the referenced category and is active for x time.
Promotions are based on a cyclic rule, to create a unanimous marketing channel. The more visitors that come by, the more it cycles through the promotions.

External ads will not be implemented on Youblob. A clean interface is important when Users are working on the next technological breakthrough that will change the world, and they need to be given the best possible solutions without distractions.

Allowing this cycling of promotions will give everyone something new to explore when they visit Youblob, instead of basing Marketing on age, gender, interests. Youblob is an explorative platform which should

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
are working hypotheses and subject to change and correction.

12

intrigue and help Users see new possibilities by combining different artefacts from different subjects. Promotions are part of enabling such.

Through the Users Dashboard, they will see how many unique visits each promotion generated, sales, new subscribers and ROI.

Profile Page

Dynamic Profile UI
Depending on your membership type, different tabs will be available through your profile page.

Community Rating and KYC
Ratings are given on Blueprints, Sales and Services from other Users.
As it is a community driven platform, we must rely on feedback from end-users.

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
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13

Support Button

This function is added in correlation to promote local makerspaces, organizations and brands of your interest. Allowing migration of users from existing communities to transition more fluidly.

Skill points

Users earn skill points in the main categories they publish Blueprints in. This is to add a premonition of interest and skill level, and can be further developed to allow for contests, give-aways etc for reaching certain goals.

Wallet

When registering on Youblob, Users will receive their own wallet connected to their account.
The wallet's function is to receive revenue from referral fees, incentives from published Blueprints along with product sales through the open marketplace. It will also support purchases across Youblob domain such as upgrade Membership, purchase products and promote products (Youblob's internal marketing channel)

When generating Collaboration Groups (several people working on the same Blueprint), a Wallet will be generated for that specific Group and/or Blueprint, and split any incentives received through the Blueprint to their respective Blueprint Authors wallets, creating Adaptive Payments as a standard.

There are several other adaptive functions around here that can be developed and automated, but more on these later, as we need to open a few rusty crates first and get a full overview of the possibilities.

Smartphone App (w/ added functions)

For Smartphones the Youblob App will be slightly modified in regard to making it even easier to create Blueprints on-the-go. Since using a laptop in your workshop or when outside is not an optimal process.

Video recording

Users shall be able to add videos to their step-by-step Guides, using the built-in camera on Smartphones.

Use of integrated Sensor technology

A Smartphone consists of several integrated sensors that can be used when creating a Blueprint. Mapping these data inputs for export to the Blueprint creates an optimal path for rapid prototyping.

It also allows future technologies to attach directly to a Smartphone, f.ex you need a vibration reading, and you just put your smartphone on top of it, giving you a reading directly which can be exported etc.

Youblob White Paper 0.3.5   03. October. 2018
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14

Back End

The back-end system of Youblob is where all the magic happens.
Connecting through different functions to give the Users an optimal performance when creating, along with automating several administration workloads around their webshop experience!

Connected API's

End-Users shall be able to use Partner tools provided by Youblob that require extended membership subscription.
As we need to bridge the gap specifically for academics concerning mathematical equations, chemistry, biology, physics and symbolic programming, allowing it to be directly connected to products in blueprints.

This will give a totally new way of interacting with products, as academic subjects become an asset (a product in itself), and can be sold or given for free all while maintaining the traceability of its uses.

Provided API's

Youblob will provide API's for connecting to the platform.
Meaning if you have an existing webshop within the majority of the released solutions, you shall be able to connect to Youblob by installing the given module and synch your existing warehouse, and Orders received will be ported back to your webshop.

This applies to the major E-commerce solutions such as Shopify, Woo Commerce, Magento and Drupal Commerce.

Import Warehouse

Youblob platform supports import of .csv files and images to allow End Users an easy switch.

Incentives

Incentives is where Manufacturers and Distributors can incentivise the End Users that connect their products to a new solution through a Blueprint. It is based on an Adaptive Payment system.

Incentives are set either as a Global rule on all products offered by Distributor, or it can be set product specific.

Distributor Chains

A Distributor Chain is an approved connection between a Manufacturer and a Distributor.
Giving Manufacturers an ownership to automate the release of new products and retired products through their Distributor network.

Organisation Chains

An organisation Chain is an approved connection between an organisation and an End User.
Allowing Organisations to connect to its local members to automate retrieval of information on what their Users have been working on, and how much added value they have generated in their municipality.

Machine Learning

Machine Learning will be applied to the different data pools and the different services offered on Youblob platform in order to fetch and create a profiling of every type of product that gets connected. Youblob provides a new way of segmenting products into different types of data pools as an interpolation for easier understanding, providing ML and AI a better foundation to extrapolate.

Artificial Intelligence

AI will be used to reverse engineer Blueprints and Products in order to get overview of similarities, missing similarities, cost optimisation, function optimisation etc.

This function is optional for the End-Users, but in allowing their Blueprints to be included to the AI engine will include the User to the AI sales pool.
This means Users will earn a revenue from future releases and sales that the AI comes up with, within a set timeframe, somewhere between 2 to 5 years as technology gets outdated more rapidly in the future.

AI will become a part of the Distributor and Manufacturer/Enterprise User, and will get their products created through the Automated Production Hubs at a later stage.

Through a Smart Contract the algorithm for incentivising Users that entered the AI inclusion program will be set.

Blockchain integration

Payment Solutions

Wallet

Each User and Company that registers on Youblob shall be given a digital wallet after registration is completed.

The wallet is linked to the User, if a User registers a Company he is made Super Administrator of the Company account including wallet, and can give or remove access to the wallet to other Users registered in the Company.

It shall be possible to refill wallet with VISA payment, or other wallets using the same currency.

It shall be possible to withdraw from wallet to Bank Account, or other wallets using the same currency.

Adaptive Payment

Adaptive Payments includes:

One-Click Checkout - when a User buys from several different Distributors, and proceeds to the Checkout. The transaction will be split in the back-end, paying each Distributor through a combined transaction.

Referral Fee – when a User invites new Users to Youblob, the first monthly payment will be split between Youblob, and the person who invited the Users.

Revenue / Incentives – when a Blueprint is sold containing a BOM with a set revenue value, the value shall be split between Blueprint Author and Distributor.

Membership handling

It shall be possible to pay for the different types of Membership offered by Youblob by using the wallet. Function includes recurring payment every month until cancelled.

Ledger

Users shall have full overview of their transaction on the wallet.
Integrated 3rd party accounting software are currently being investigated.

Youblob White Paper 0.3.5   03. October. 2018
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16

User Registration

When registering on Youblob, users shall be able to validate themselves with their digital ID.
We believe that everyone has the right to control their own digital identity, how it's shaped, shared and sustained.

User registrations shall be compliant to GDPR, with the option to easily opt-out of Youblob, including removal of all content published on the Youblob platform, including 3rd party content that is affiliated with the Youblob platform.

User registration shall have the option to enable 2FA.

Product Handling

In order to maintain the value chain of original products, Youblob investigates the use of RFID tags and SKU handling towards the Youblob marketplace.
This is important for the industry in order to be able to deliver the quality on products that passes through Youblob marketplace, as copycats are part of "stealing" from companies like Arduino f.ex and stagnating their future development of products.

The solution also evolves around shipments, warranty and RMA. Where the Buyers and Sellers will have full overview of their product handling through a Dashboard on Youblob.

How Youblob see the Future

Conquest of the Makers

Allowing Makers to create new iterations around YOUR products and promoting them through their own social channels is free gold (read marketing) for any supplier.
The more the Youblob platform gets be populated, one will start seeing a battle between the different segments. Let's take Electronics manufacturers as an example. They both produce the same electronics in the USA as in Asia, but in order to get the Blueprint Authors to use their brand in the blueprints we will see an elevation in offered revenue on the products.
In the end we might see over 100% revenue offered to the Blueprint Authors for using specific brands in their Blueprints just to grab the market, allowing a Free User account to make a good profit just by publishing solutions when combining different components.

Automated Storage Hubs

The creation of large automated storage hubs that conform to shipping of products on a local base. These storage hubs will be in all major cities to reduce shipping costs and optimise overseas transport by doing large quantity imports of raw materials, electronics and products that attain the backorder limit set by the company of the storage hub.

Automated Production Hubs

Local automated production hubs will start popping up, with its ease of access to anything within prototyping and creating. Engineers, schools, and hobbyist are currently the key elements in rapid prototyping. This have already started with local makerspaces, but we will see it populated and automated at a much higher rate.

Youblob have teamed up with Bwlder and are currently investigating solutions here.
This will enable physical products to be created by robots, based on the description in the Blueprint.
Even the Blueprints created by the Youblob AI Engine.

Youblob White Paper 0.3.5   03. October. 2018
All concepts and technical proposals outlined in this document
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17

So when we combine the Automated Storage Hubs, Automated Production Hubs and AI, we get a full autonomous system that feeds the assembly lines with Blueprint components based on sales, demand, backorder rules along with other algorithms added in the back-end to create a unifying platform.

Enabling Industry 5.0

First let us do some recap with some history lessons around the different Industrial Revolutions.

Industry 1.0: The first industrial revolution mobilised the mechanization of production using water and steam power, and the first things to come was weaving machines for textiles around the year 1730. Tools where developed and patented to achieve a higher ROI, the Flying Shuttle being one of them.

Industry 2.0: The second industrial revolution introduced mass production with the help of electric power.

Industry 3.0: The third industrial revolution is the Digital Revolution, with its use of electronics and computers to further automate and optimise production.

Industry 4.0: The fourth industrial revolution have applied significant technological advancements several times over the last 75 years. And in the last 10 years (then renamed to Industry 4.0) have been focusing on automated manufacturing with the use of robotics, …though not much have changed, apart for the introduction of robotics and smarter handling systems to achieve a higher rate at the assembly lines.

Industry 5.0: So where do we create the next evolutionary step?
When the industry around manufacturing is fully automated, we need to allow the customers that require the parts, the people, to input their manufacturing needs. And through the simplicity around the Youblob platform we enable this. As a consumer or a prototyper, your requirements are only that it is created as specified, and that you get the product. All components that exists today with their different unique SKU's and their attributes, meshed together to create something unique.
The Blueprint becomes a recipe for how to automatically assemble it.

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18

UN's Sustainable Development Goals

Youblob strives to create a better world by making it easier for those who come from poor countries to be included on the same level as the rich.

The Youblob platform lowers the threshold immensely for starting a business, along with earning revenue on publications.

Youblob connects to 10 of the 17 goals set by United Nations, and this is something we are really proud of. As it states the fact that we are on the right path in developing these solutions.

The Youblob platform is free to use.
If you have no money, you can still use Youblob to earn money.
It is also possible to set up your own business using the trial period on Youblob to learn how it is to run a business.

As more and more Blueprints are published on Youblob, we believe this will be used as a learning platform, giving free easy access to schools and their students, and enabling new ideas in the local communities on how to optimise and make things better.

Youblob supports Gender Equality and the empowerment of women and girls. Through our platform we want to change the bad social norms that exists in certain societies by promoting and helping diverse communities that includes females.

Our platform creates a portal into the business world.
Scaling your business or putting it on vacation mode is just one click away.
Youblob makes it easy for End Users to become part of a SMART technological platform aimed towards product handling, commerce and offering services, fully integrated with automated accounting, advanced back-end wallet functions, and scalable solutions aimed to help the end-users.

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19

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Youblob connects the Industry with the End Users, providing valuable data back to the industry thus paving the way for new innovations at a rapid speed.
Youblob wish to participate in building infrastructure such as storage and production hubs around the world. Starting in undeveloped countries first.

10 REDUCED INEQUALITIES

Developing countries needs to be given access to the correct tools for an efficient and stable collaborative effort. Youblob enables such by giving an easy way for new B2B relationships to form, along with enabling B2C and C2B solutions on the same level. Reducing inequalities in our society, by making everyone understand they are equal as the next person might be the one that takes the product to the next level.

11 SUSTAINABLE CITIES AND COMMUNITIES

The Youblob platform makes the different iterations created in the different local communities easy to share and iterate on using local materials. Thus supporting the least developed countries through technical assistance, know-how and establishing an understanding of what works best in the different regions.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Blueprints explains how Users can build upon and reuse recycled material, and will be a key factor in ensuring that the people get the relevant information and awareness for a sustainable development, reducing waste and the reuse of materials.

13 CLIMATE ACTION

As part of awareness-raising, impact reduction and education of the people around Climate Actions. Youblob provides a platform to strengthen the institutional work with technology transfer, development actions and individual capacity building.

17 PARTNERSHIPS FOR THE GOALS

Youblob enables science and technology cooperation non-excluding.
Youblob is part of enhancing global macroeconomic stability.

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20

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21