



ISPP - G12
Deliverable 1

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01

Key business idea



Key business Idea



All kinds of products
related to 3D printing



Enabling high-volume
printing



Community of
individuals interested
in 3D printing



Different pricing
plans

SWOT analysis



- Dependence on third parties



- Scalable business model



- Platform disengagement



- We offer a secure deal

02

Pilot users



Pilot users



Multiple profiles



3D designers



3D printers



Entrepreneurs



Teachers

03

Cost analysis

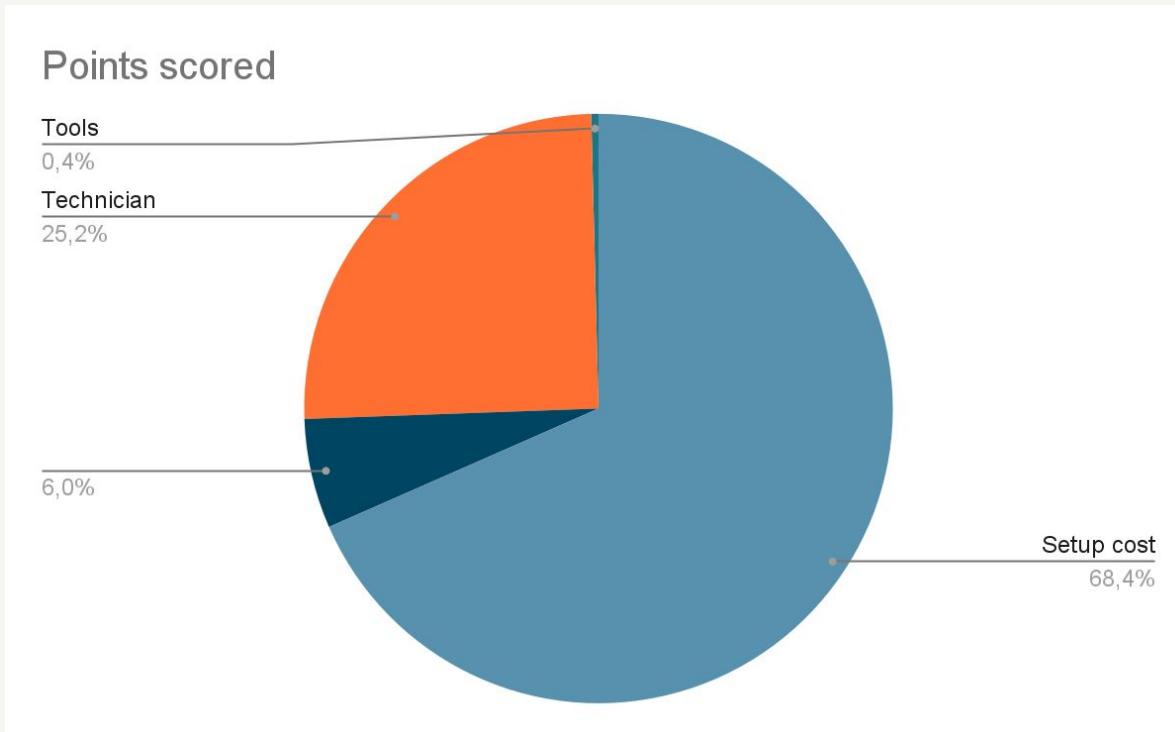


Cost analysis (TCO)

Setup Cost: **49k**
€

Operational cost:
960€/month

TCO of two
years: **72k€**



Cost analysis (Profits)

| | Benefits | Time | Nº | Total |
|----------------------|------------|---------|----------------|----------------|
| Plan Buyer | 10 €/month | 2 years | 60 users/month | 14.400 € |
| Plan Designer | 15 €/month | 2 years | 60 users/month | 21.600 € |
| Plan Seller | 15 €/month | 2 years | 60 users/month | 21.600€ |
| Transaction | 3 €/T | 2 years | 200 T/month | 14.400 € |
| Total | | | | 72.000€ |

04

Competitor analysis



Competitor analysis

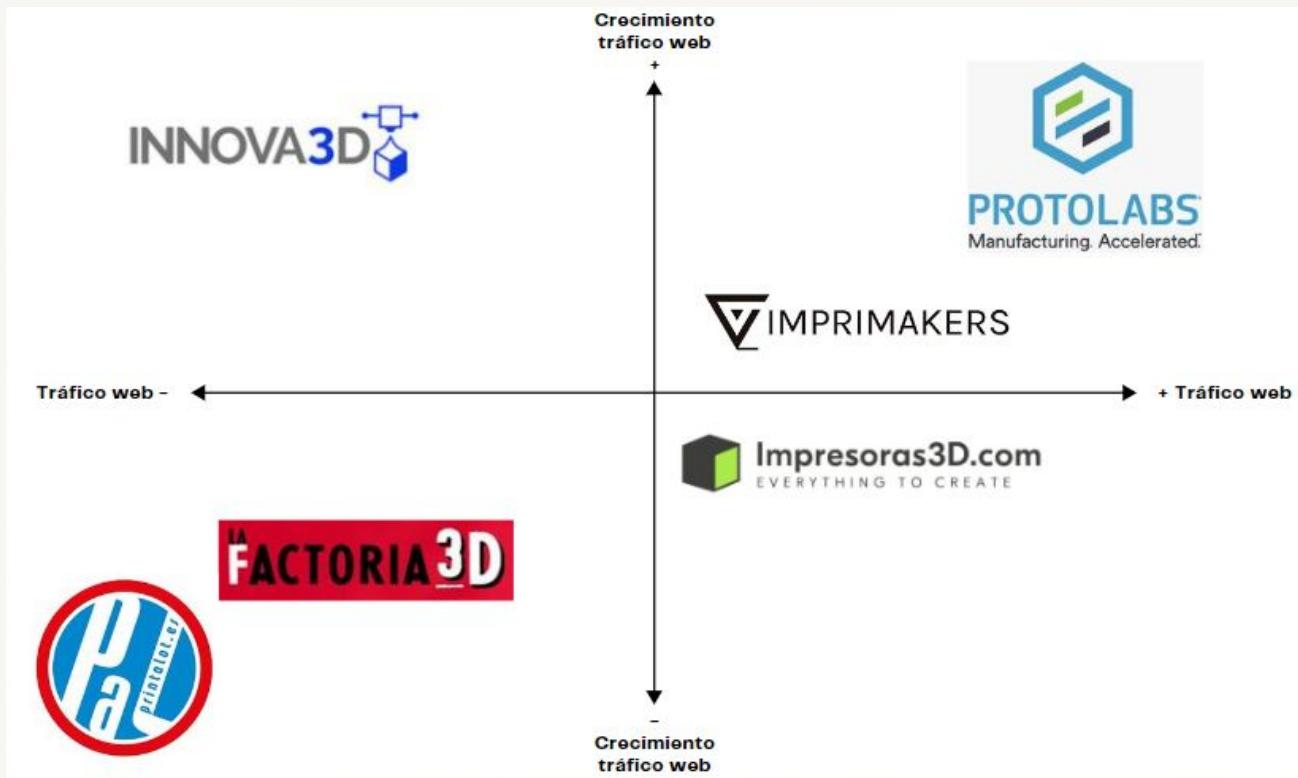
Potential competitors



PROTOLABS
Manufacturing. Accelerated.

Competitor analysis

Market growth



Competitor analysis

Protolabs - Leader



PROTOLABS
Manufacturing. Accelerated.[™]

- Print on demand

Competitor analysis

Imprimakers - Leader



IMPRIMAKERS

- **Print on demand**
- **Instant budget**
- **Purchase/Sale of products**

Competitor analysis

Innova3d - Game Changer



- **Print on demand**
- **Instant budget**
- **Purchase/Sale of products**
- **Custom designs**

Competitor analysis

Impresoras3d - Established



Impresoras3D.com
EVERYTHING TO CREATE

- **Print on demand**
- **Purchase/Sale of products**
- **Community**

Competitor analysis

Our project



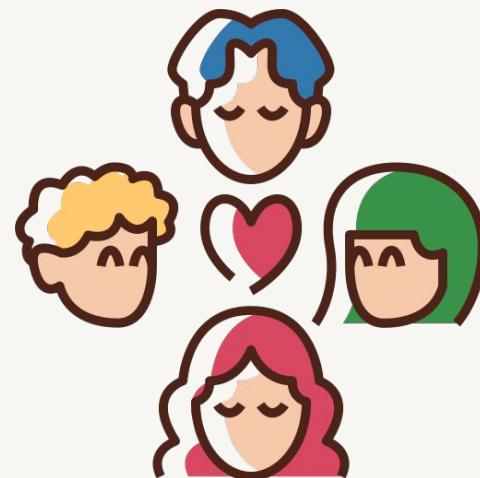
- **Print on demand**
- **Instant budget**
- **Purchase/Sale of products**
- **Custom designs**

Competitor analysis

Our project

SHAR3D

- Print and design community
- Active community



05

Development Methodology



Development Methodology



- **3 teams** 
- **Scrum** 
- **GitHub** 

06

Quality Assurance



Quality Assurance



Sonar cloud



- Coverage: 80%
- Maintainability: A
- Duplicated lines: <=7%
- Technical Debt: <= 8%
- Security: >=B

GitHub Actions



Continuous improvement

In every commit:

- SonarCloud metrics



- Test report



Periodic code inspections



Periodic performance measures



07

Planification



MVP - Buy a product

SHAR3D

Search for designs, printers, materials and more...

Your profile Sell

Designs Printers Materials Artists Community

Explore 3D innovation!
Find top-quality designs, printers and materials.
Bring your ideas to life!

Featured designs



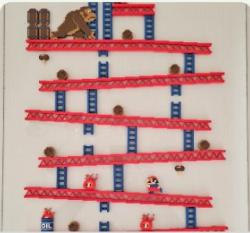
Sorem ipsum
6,99€



Sorem ipsum
6,99€



Sorem ipsum
6,99€



Sorem ipsum
6,99€



Sorem ipsum
6,99€

MVP - Buy a product

SHAR3D

Search for designs, printers, materials and more...

Your profile Sell

Designs Printers Materials Artists Community

Home > Designs > Sorem ipsum



Sorem ipsum

Corem ipsum ★ 4.5

Ref: 123456789

Details:

Vorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam eu turpis molestie, dictum est a, mattis tellus. Sed dignissim, metus nec fringilla accumsan, risus sem sollicitudin lacus, ut interdum tellus elit sed risus. Maecenas eget condimentum velit, sit amet feugiat lectus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Praesent auctor purus luctus enim egestas, ac scelerisque ante pulvinar. Donec ut rhoncus ex. Suspendisse ac rhoncus nisl, eu tempor urna. Curabitur vel bibendum lorem. Morbi convallis convallis diam sit amet lacinia. Aliquam in elementum tellus.

- 1 +

6,99€

Buy



MVP - Buy a product

SHAR3D

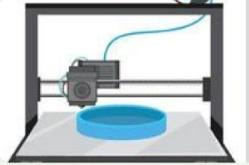
Search for designs, printers, materials and more...

Your profile Sell

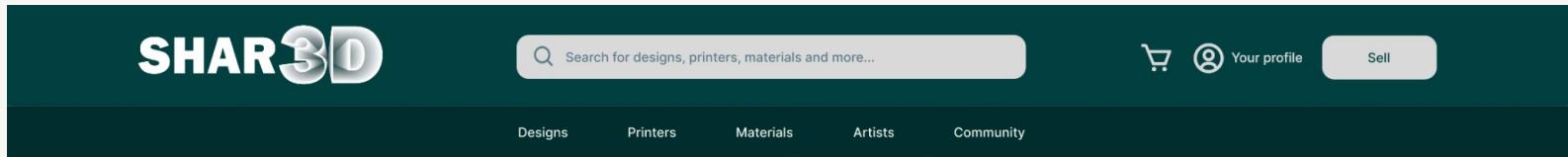
Designs Printers Materials Artists Community

Home > My cart

My cart

| | | |
|--|---|--|
|  | Name: Lorem ipsum Price: 256,98€ |  <input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/> |
|  | Name: Lorem ipsum Price: 256,98€ |  <input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/> |
|  | Name: Lorem ipsum Price: 256,98€ |  <input type="button" value="-"/> <input type="button" value="1"/> <input type="button" value="+"/> |

MVP - Request custom printing



Home > Designs > My design

My design



Upload a design

Browse

Name

Quantity

⊖ 2 ⊕

Quality

LOW

MEDIUM

HIGH

*The price is orientative and may change depending on the configuration and materials used.

MVP - Request a design

SHAR3D

Search for designs, printers, materials and more...

Your profile Sell

Designs Printers Materials Artists Community

Home > Artists

Artists

Filters



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★



Borem ipsum

★★★★★

MVP - Request a design

SHAR3D

Search for designs, printers, materials and more...

Your profile Sell

Designs Printers Materials Artists Community

Home > Artists > Borem ipsum



Borem ipsum

★★★★★ 4 (2 reviews)

Location: Horem ipsum dolor sit amet consectetur

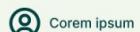
Biography:

Vorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam eu turpis molestie, dictum est a, mattis tellus. Sed dignissim, metus nec fringilla accumsan, risus sem sollicitudin lacus, ut interdum tellus elit sed risus. Maecenas eget condimentum velit, sit amet feugiat lectus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Praesent auctor purus luctus enim egestas, ac scelerisque ante pulvinar. Donec ut rhoncus ex. Suspendisse ac rhoncus nisl, eu tempor urna. Curabitur vel bibendum lorem.

Number of sales: 7

Chat

Reviews

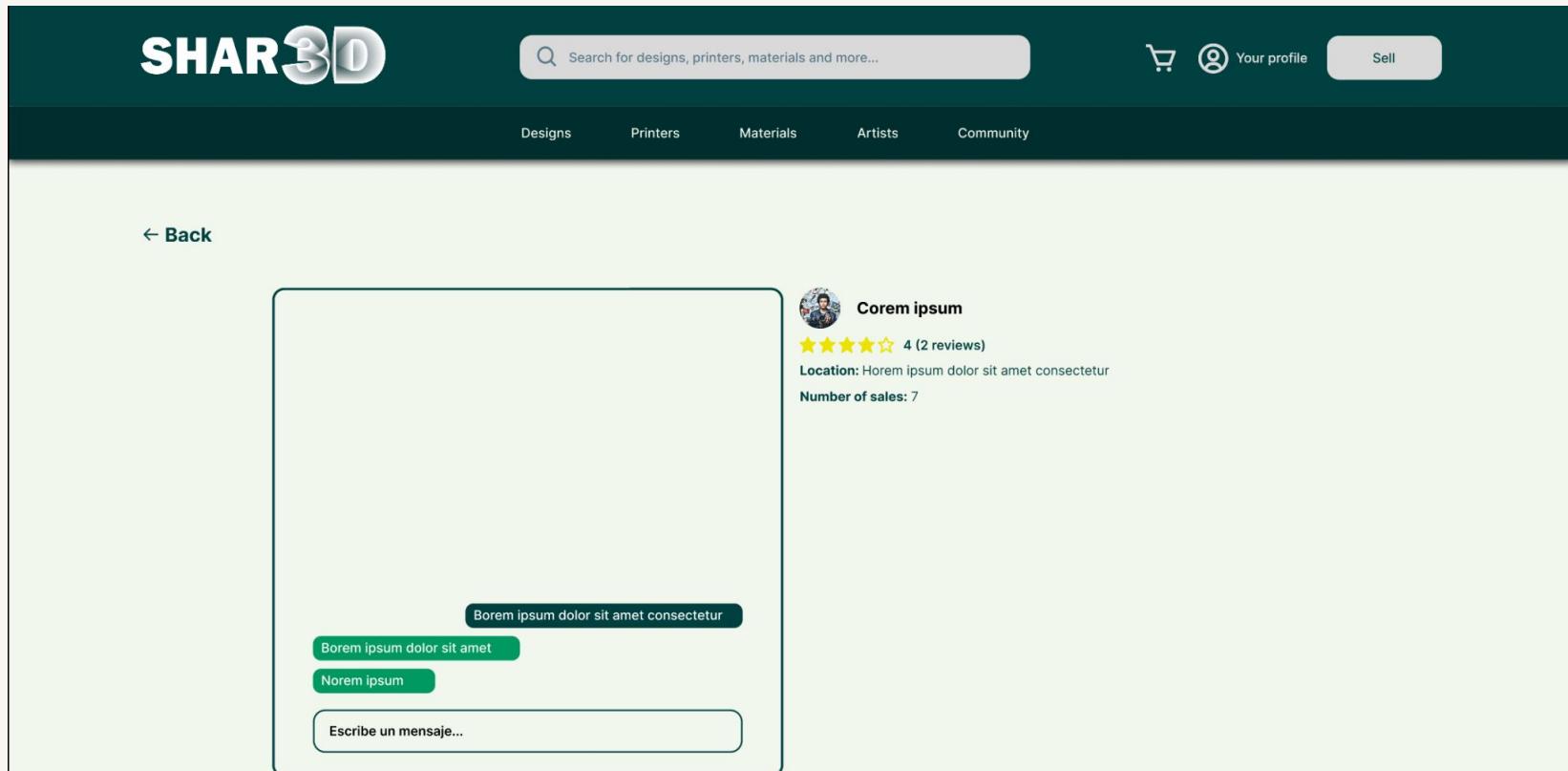


Corem ipsum



Product: Vorem ipsum dolor

MVP - Request a design



The image shows a user interface for a 3D printing platform named "SHAR3D". At the top, there is a dark header bar with the "SHAR3D" logo on the left, a search bar in the center containing the placeholder "Search for designs, printers, materials and more...", and a user profile icon with the text "Your profile" and a "Sell" button on the right. Below the header is a navigation bar with links for "Designs", "Printers", "Materials", "Artists", and "Community". The main content area features a "Back" button on the left. On the right, there is a profile card for a user named "Corem ipsum" with a small profile picture, a 4-star rating from 2 reviews, and location and sales information. A large, empty rectangular box occupies the center-left of the page, likely a placeholder for a 3D model or preview. At the bottom of this box, there are several green input fields with placeholder text: "Borem ipsum dolor sit amet consectetur", "Borem ipsum dolor sit amet", "Norem ipsum", and a large text input field with the placeholder "Escribe un mensaje...".

SHAR3D

Search for designs, printers, materials and more...

Your profile Sell

Designs Printers Materials Artists Community

← Back

 Corem ipsum

★★★★★ 4 (2 reviews)

Location: Horem ipsum dolor sit amet consectetur

Number of sales: 7

Borem ipsum dolor sit amet consectetur

Borem ipsum dolor sit amet

Norem ipsum

Escribe un mensaje...

MVP - Upload a product

SHAR3D

Search for designs, printers, materials and more...

Your profile Sell

Designs Printers Materials Artists Community

Home > My product

My product



Photo

Name

Description

Price

Risk register



45 Risk have been identified A green eye icon with a black outline.

Lack of training programs



Lack of motivation in the project



Team members' fatigue



Staff turnover/losses within the team



08

Wrap up



Mock Ups



Project clock



81% - 1430 hrs

To do

Time ahead to finish
the project

19% - 370 hrs
Already done

Time that we have
currently worked



1800 hrs

Current state of the agreement



| | First week | Second week | Third week |
|-------------------------------|------------|-------------|------------|
| Time dedication | 90% | 90% | 100% |
| Penalizations | - | - | - |
| Task finalisation | 80% | 100% | 100% |
| Task revision | 100% | 100% | 100% |
| Time control | 100% | 100% | 100% |
| Coexistence commitment | 100% | 100% | 100% |

Organization in teams



team 1



**Juan Jesús Campos
Garrido**

Team manager



**Antonio Carretero
Díaz**

**Documentalist
Designer**



**Alejandro García
Sánchez-Hermosilla**

Documentalist



**María Escalante
Ramos**

Documentalist



Organization in teams



team 2



**Alejandro Campano
Galán**
Team manager



**Carlos Baquero
Villena**
Documentalist



**Alejandro Santiago
Félix**
Documentalist



David Reyes Alés
Documentalist



Organization in teams



team 3



**Diego García
Linares**

Team manager



**Úrsula Garrucho
Sánchez**

Documentalist



**David Cortabarria
Romero**
Designer



**Pablo Mera
Gómez**

Documentalist



Technologies



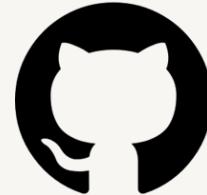
Google Drive

Total docs: 48



Docusaurus

Total posts: 19



GitHub

Opened issues: 2

Closed issues: 46

Commits: 6

Lines of code: 186

Pull requests: 1



Slack

Meetings: 4



Clockify

Hours: 370

IA prompts



**Risk
Management**

Total prompts: 15



**People
attending
concurrently**

Landing page



To contact us:
feedback.shar3d@gmail.com

