ECOLE SUP PRIVÉE D'INGÉNIERIE ET DE TECHNOLOGIES

GREEN CROWD

Elaborated ByScaredToCompile

GREENCROWD

"Empower Your Dreams: Join Our Crowdfunding Community Today!"

PROJET INTÉGRATION DÉVELOPPEMENT

8/8/2023

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OUTLINE

01 ✔Introduction

02 ✔problematic

03 ✔Study of the existing

04 ✔ Proposed Solution

05 ✔Added value and innovation

06 ✔Technical and functional requirements

1

INTRODUCTION

CROWDFUNDING

- **Crowdfunding is a funding method where a large number of people contribute small amounts of money to support a project or idea.**

2

PROBLEMATIC

PROJECT CONTEXT

crowdfunding web application

Promote ecological and economic projects

Providing a platform for project owners to obtain the necessary funding and resources.

PROBLEM

- the lack of funding for environmentally friendly projects in Africa.

- Many great ideas are not being realized due to a lack of financial support.

- there is a growing concern for the environment, and people are looking for ways to contribute to a sustainable future.

TARGET AUDIENCE'S

- entrepreneurs, innovators, and environmentally conscious individuals who are looking for a platform to fund their projects and contribute to a greener future.

- who are passionate about environmental sustainability and interested in supporting or creating eco-friendly projects.

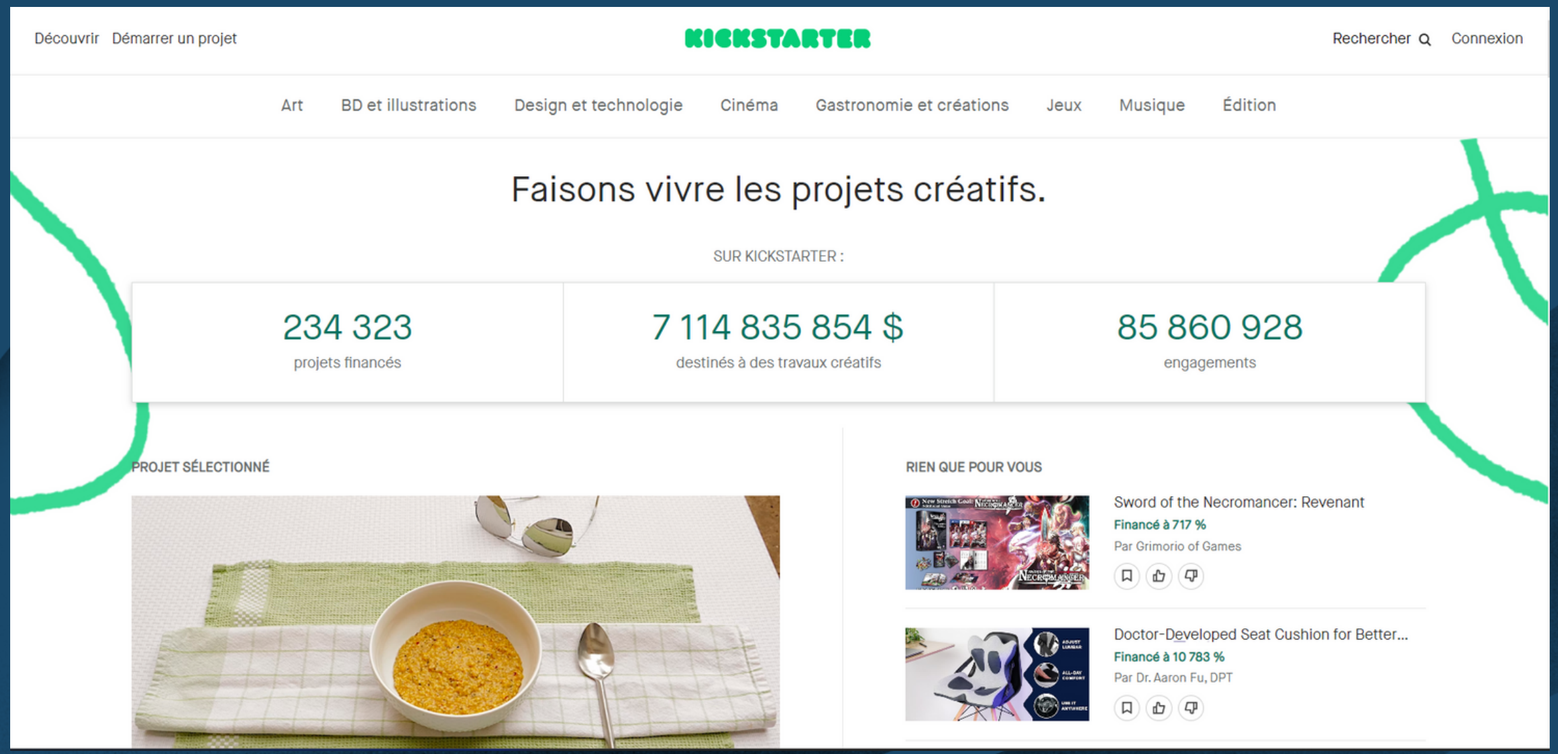
- Our solution is to provide a platform that focuses on environmentally friendly projects and ensures that they are verified by our AI model before being accepted on the site.

- This ensures that only projects that meet our standards are accepted, and users can invest with confidence. Additionally

3

STUDY OF THE EXISTING

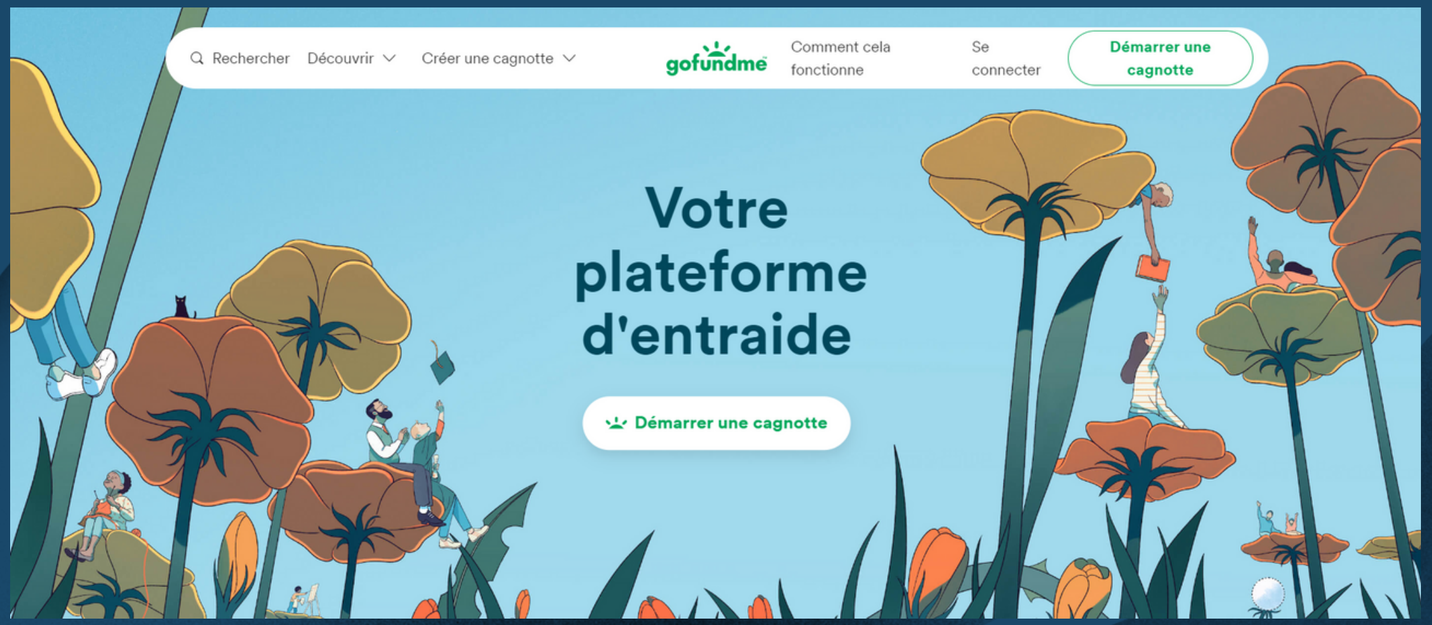
EXISTING STUDY



kickstarter

- Kickstarter has been criticized for not allowing certain projects or creators, such as those from specific countries or with sensitive content.

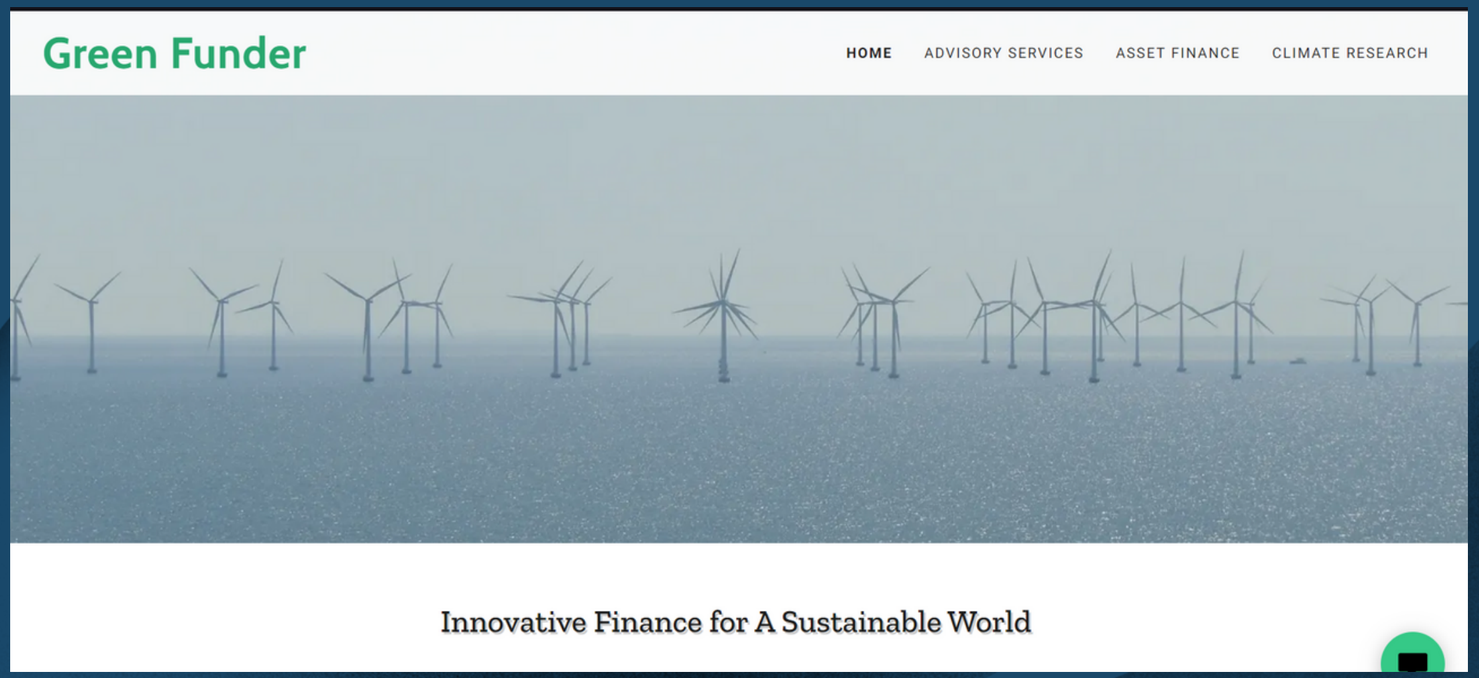
EXISTING STUDY



gofundme

- these platforms are widely used, they do not focus on ecological and economic projects specifically and may not be the best fit for projects seeking to promote sustainability in Africa.

EXISTING STUDY



Green Funder

- is another UK-based platform that allows individuals to invest in environmental and sustainability projects

- this platform does not have a specific focus on African projects, which is a key aspect of our crowdfunding web application

PROS & CONS

+ popular and successful platforms for many creators,

− none of these platforms have a specific focus on ecological and economic projects

− this platform does not have a specific focus on African projects

SOLUTION

GREENCROWD

- Crowdfunding platform dedicated to ecological and economic projects in Africa.
- Career opportunities: allowing users to reserve interviews to work on successful projects.
- A support system for projects that require specialized resources, such as fab labs.

SOLUTION

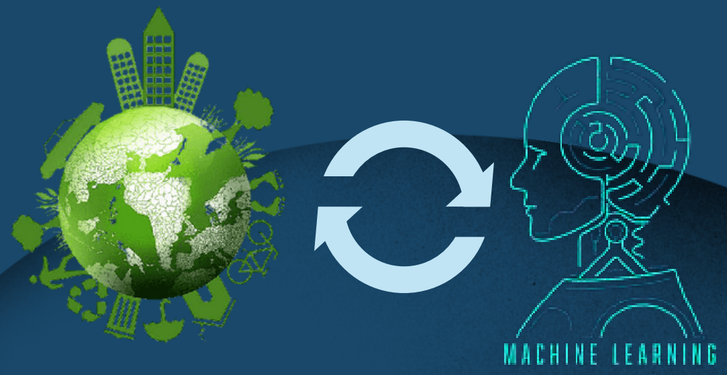
- Our platform Promises to address the problem of the lack of funding for ecological projects in Africa by providing a dedicated crowdfunding website for such projects.

- By using our platform, creators of ecological projects will have access to a wider audience of investors who are specifically interested in supporting environmentally friendly initiatives.

4

ADDED VALUE AND INNOVATION

ADDED VALUE AND INNOVATION



Machine Learning

- our platform offers a unique feature where projects are evaluated using artificial intelligence to ensure that they meet the required ecological standards.

- This not only ensures the quality of the projects but also provides a sense of assurance for investors that their funds are being used for environmentally sustainable initiatives.

ADDED VALUE AND INNOVATION

- WebRTC technology in order to provide the users with audio and video calls
- Socket io to ensure realtime communication
- Bad Word Detector and AI to Detect Toxic Behavior, take action if such thing happen

ADDED VALUE AND INNOVATION

Recruit system

- Our artificial intelligence (AI) system has the ability to analyze candidate data and assign scores to each candidate, ultimately facilitating the identification of the most qualified candidate for the position.

- This solution serves as a valuable and supportive tool to assist users in sourcing the most suitable candidates for their employment opportunities.

ADDED VALUE AND INNOVATION

- our platform incorporates a fablab role to support project creators and encourage innovation through events and training.

Support system

- This provides a supportive and collaborative environment for creators to develop their ideas and bring their ecological projects to life.

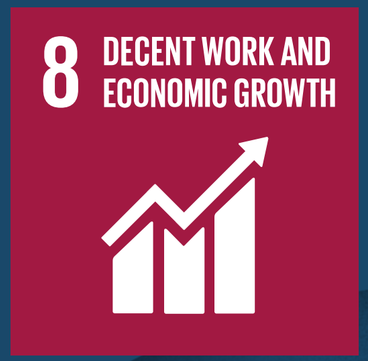
ADDED VALUE AND INNOVATION

Badge system

- The badge system is an added value and innovative feature that incentivizes users to actively participate in our community.

- This feature adds a gamification element to our platform, making it more engaging and rewarding for users.

THE SUSTAINABLE DEVELOPMENT GOALS OF OUR APPLICATION



- By supporting projects

- By fostering innovation through the integration of fab labs

- By supporting ecological and environmentally friendly projects

- By promoting and supporting projects that have a positive impact on the environment

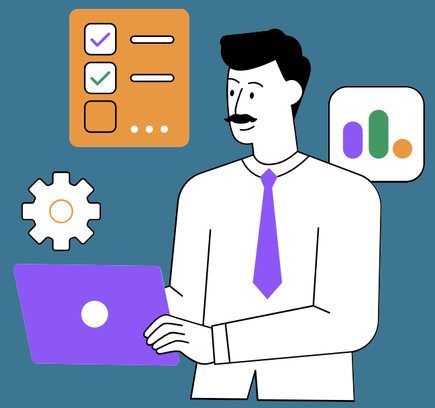
- By creating partnerships between project creators, supporters, and fab labs

5

TECHNICAL AND FUNCTIONAL REQUIREMENTS

The Actors

Entrepreneur



Administrator

Investor

Functional Requirments

Access

A user from africa should be able to access the platform on their own

invest

A user must be able to invest in a project

opportunity

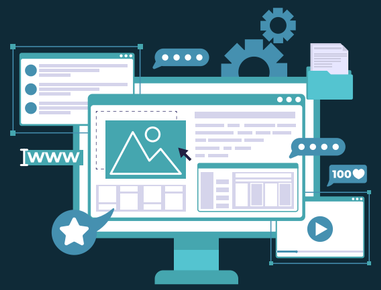
A user must be able to book an interview in a valid project

Badge

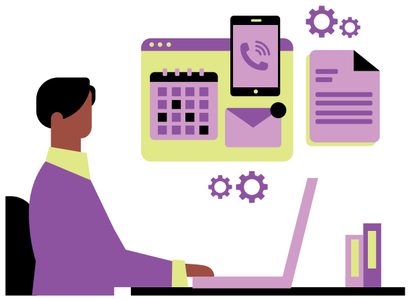
A user must be able to have badges according to his activity in an equitable way

Fab Lab

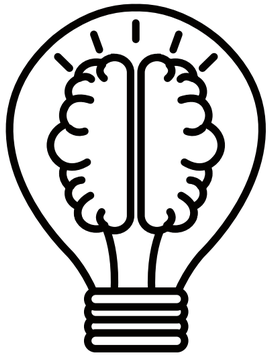
A project must be able to have exhortations to be supported by a fablab



Modules

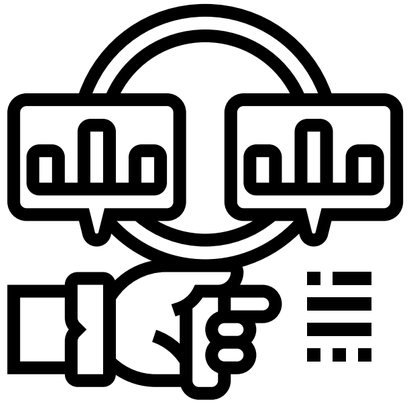


Users Management



project and investment management

opportunity management



evaluation management

fablab management

Non-functional requirments

Ergonomics

- the application will be user-friendly, intuitive and easy to navigate. The design and layout will be visually appealing and consistent throughout the application.

Security

- We're going to use a Module from node.js which is PASSPORT this module is Known for its level of security

Performance

- We're going to use the JavaScript librery REACT which is known for its Performance

TECHNICAL REQUIREMENTS

Technologies

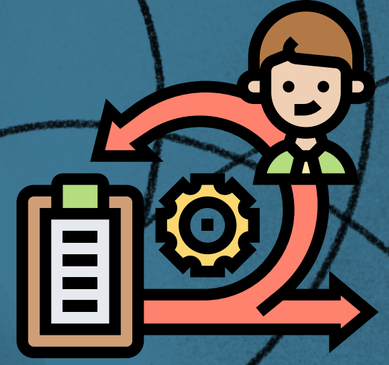
React

- Virtual DOM
- Declarative programming
- Component-based architecture
- Large and active community:

Express

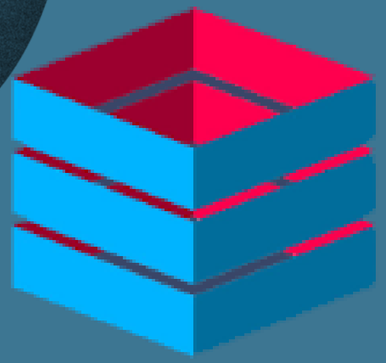
- Minimalistic
- Flexibility
- Middleware
- Performance

Technologies



High Scalability

High Availability



NoSQL Database

Big Data Capability

Fast Performance

Easy Replication

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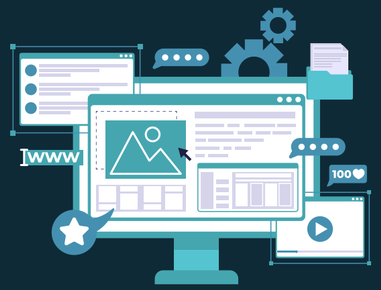
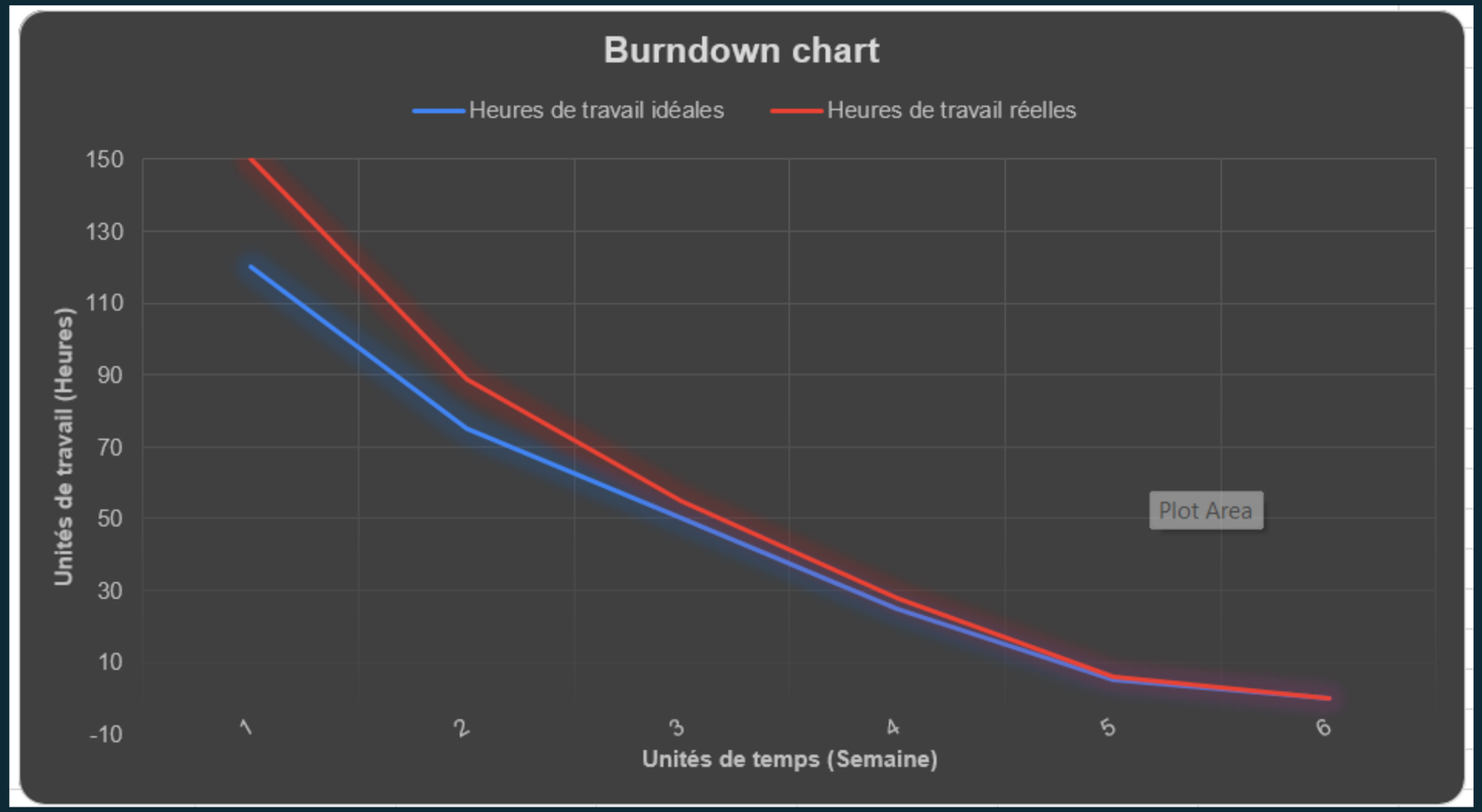
6

PROJECT PLANIFICATION



Project Planification

Heures idéales	Heures réelles
120	150
75	89
50	55
25	28
5	6
0	0



7

CONCLUSION

Conclusion

Our crowdfunding platform provides a creative solution to support eco-friendly projects in Africa.
With our innovative platform, we enable a community of impact-driven individuals to support and invest in eco-friendly initiatives that create a positive and lasting impact on the African continent.

THANK YOU FOR YOUR ATTENTION