



ECOLE SUP PRIVÉE
D'INGÉNIERIE ET DE
TECHNOLOGIES



Elaborated
ByScaredToCompile

GREENCROWD

Crowdfunding web application For Africa

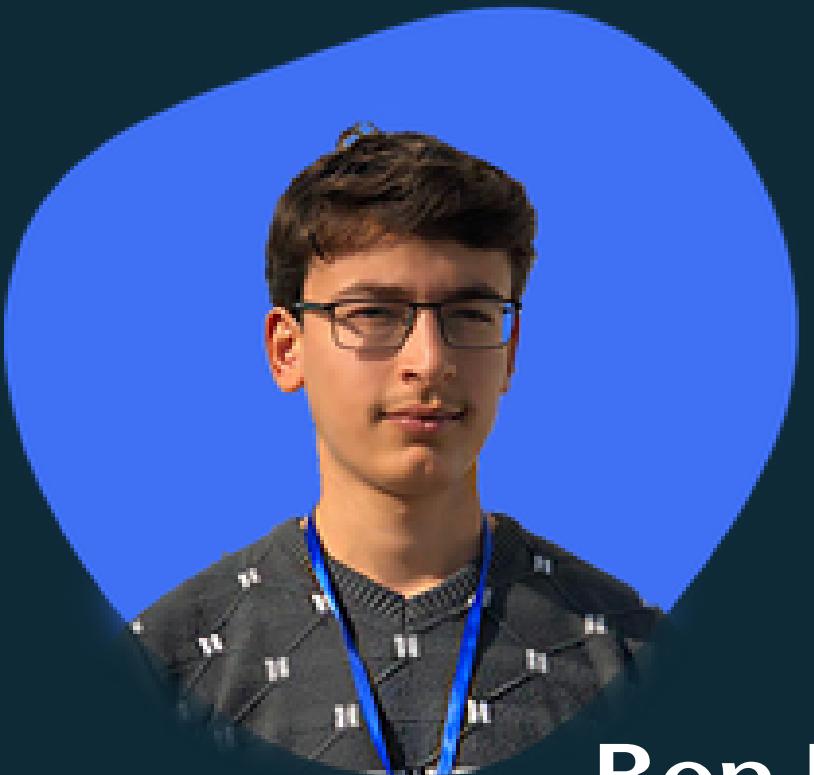




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I

INTRODUCTION

CROWDFUNDING



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



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PROJECT CONTEXT

PROJECT CONTEXT



crowdfunding web application



Promote ecological and economic projects

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

PROBLEMATIC



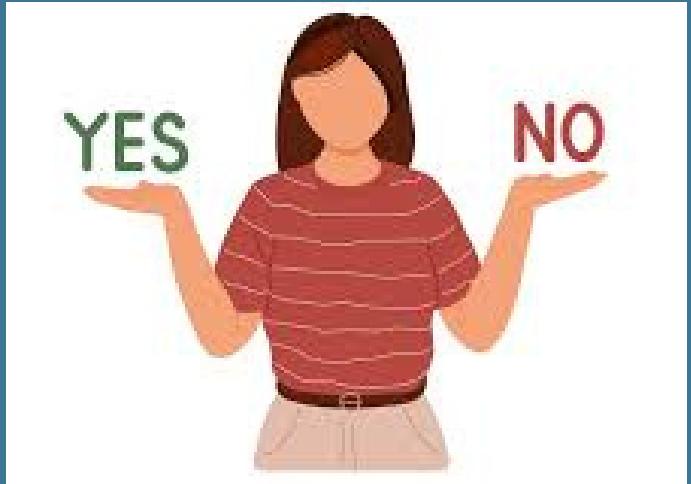
More ecologic & economic projects in Africa

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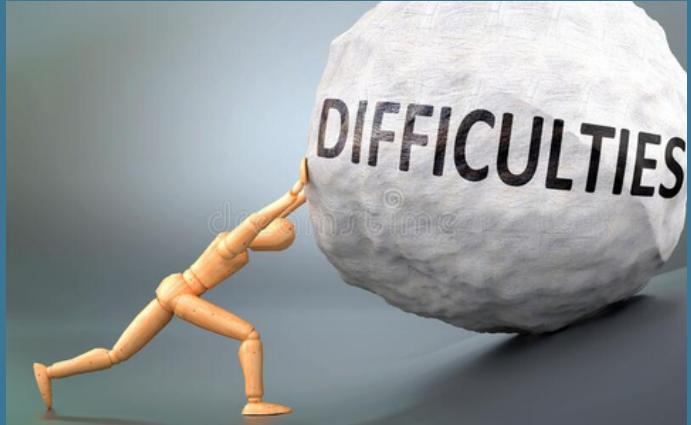
Getting funding is difficult for project owners

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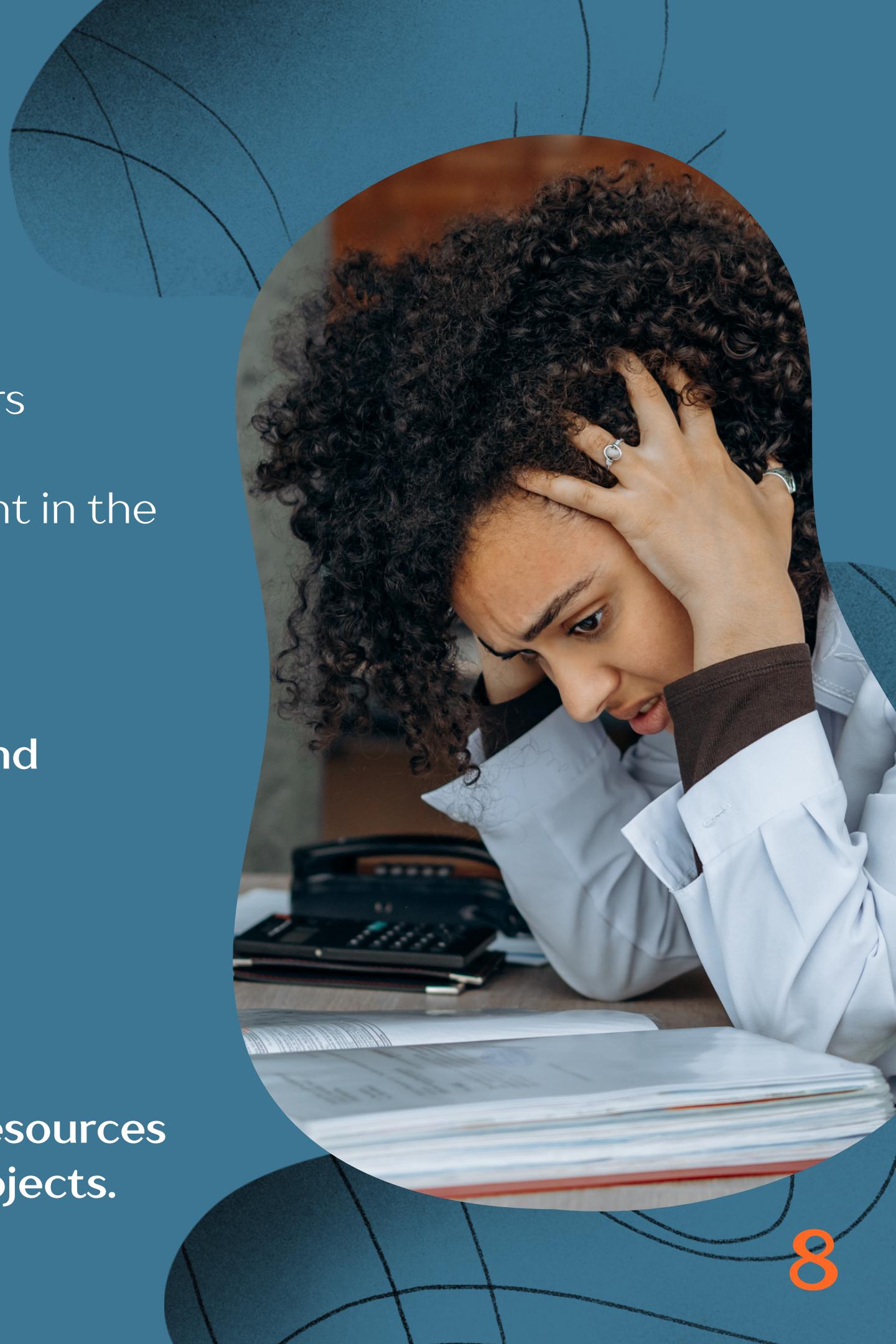
Prevent economic and ecologic development in the country



Investors may doubt project profitability and environmental impact... causing funding hesitation.



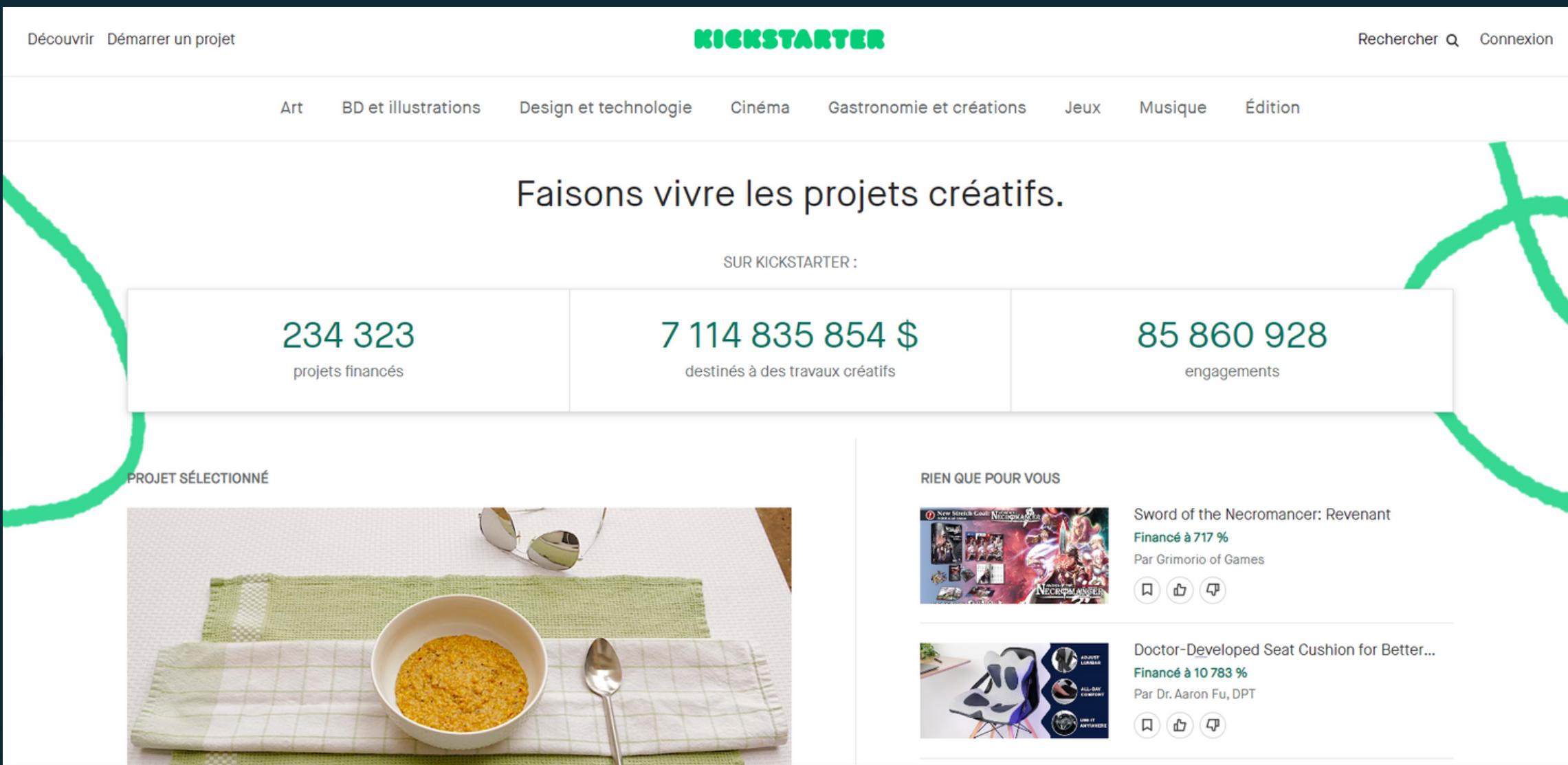
Project owners may struggle to find the resources and partners needed to carry out their projects.



EXISTING STUDY

There are a number of crowdfunding web applications that exist, but few that focus specifically on ecological and economic projects in Africa.

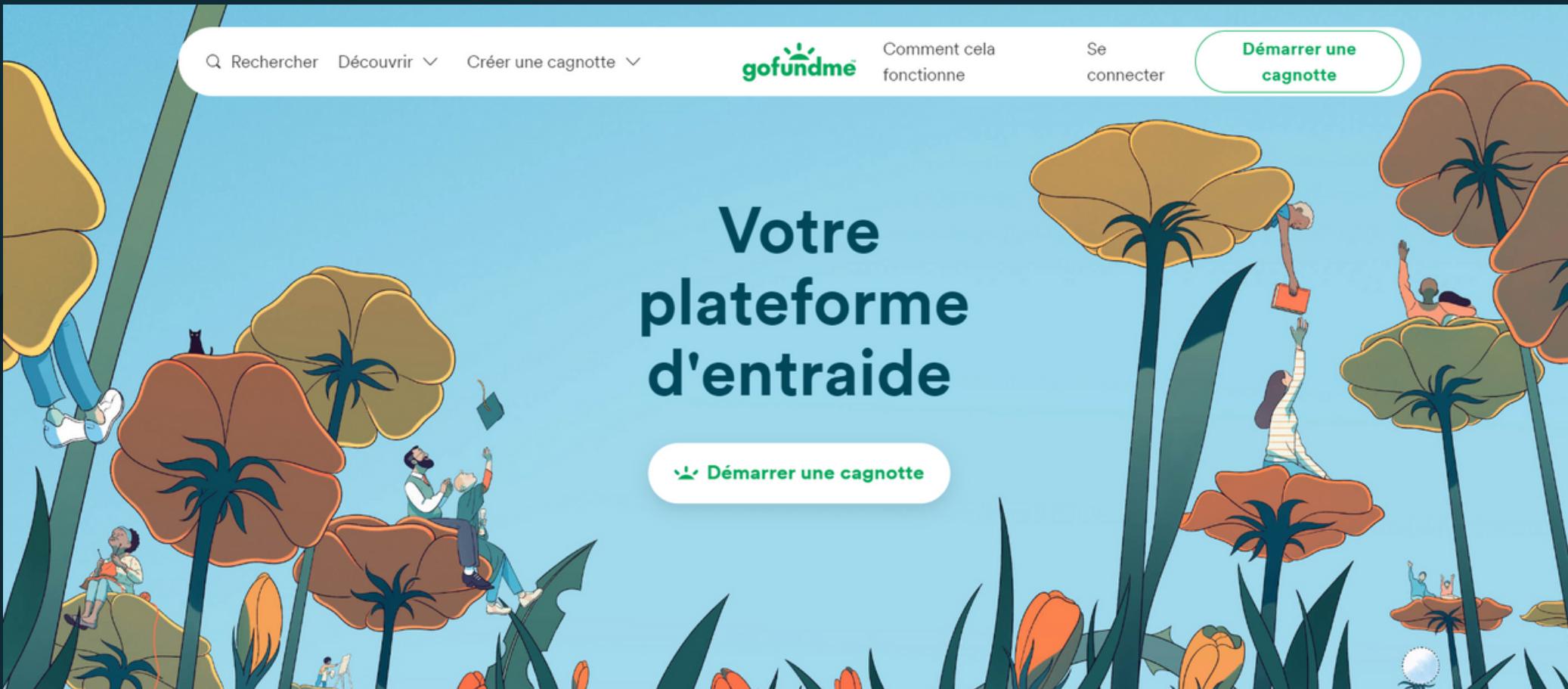
Some of the most popular crowdfunding platforms :



- Kickstarter has faced criticism for excluding certain types of projects or creators, such as those based in certain countries or with sensitive content.

EXISTING STUDY

Some of the most popular crowdfunding platforms :

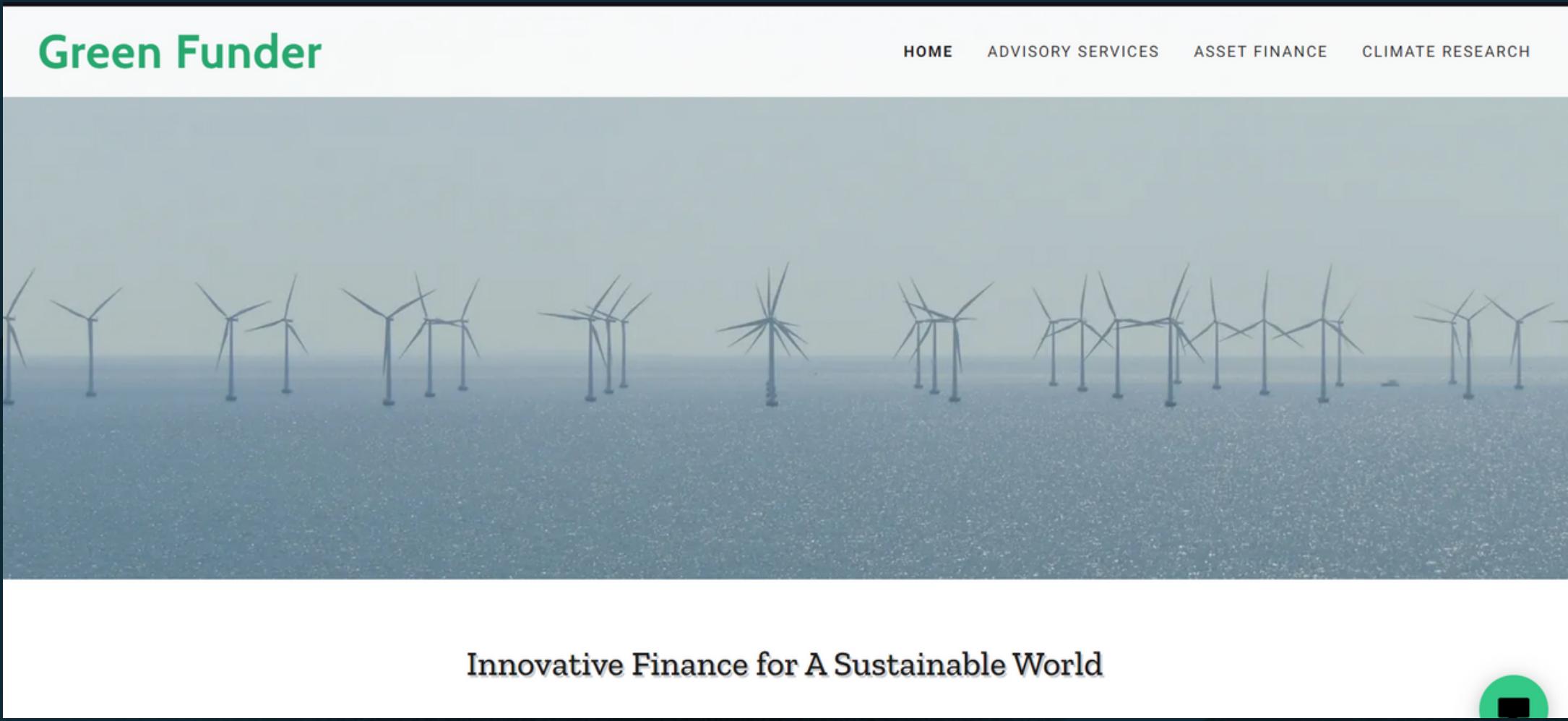


gofundme

- 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

Some of the most popular crowdfunding platforms :



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

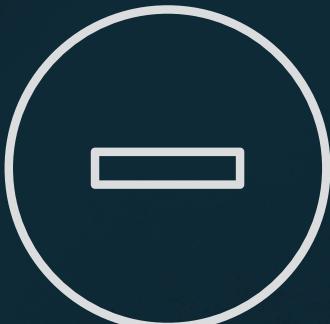
PROS & CONS



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.



ADDED VALUE AND INNOVATION



Badge system



Support system



THE SUSTAINABLE DEVELOPMENT GOALS OF OUR APPLICATION

8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



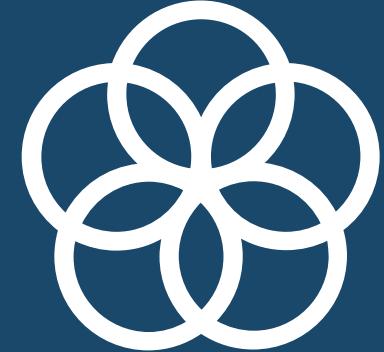
- By supporting projects
- By fostering innovation through the integration of fab labs
- By supporting ecological and environmentally friendly projects

THE SUSTAINABLE DEVELOPMENT GOALS OF OUR APPLICATION

13 CLIMATE
ACTION



17 PARTNERSHIPS
FOR THE GOALS



- By promoting and supporting projects that have a positive impact on the environment
- By creating partnerships between project creators, supporters, and fab labs

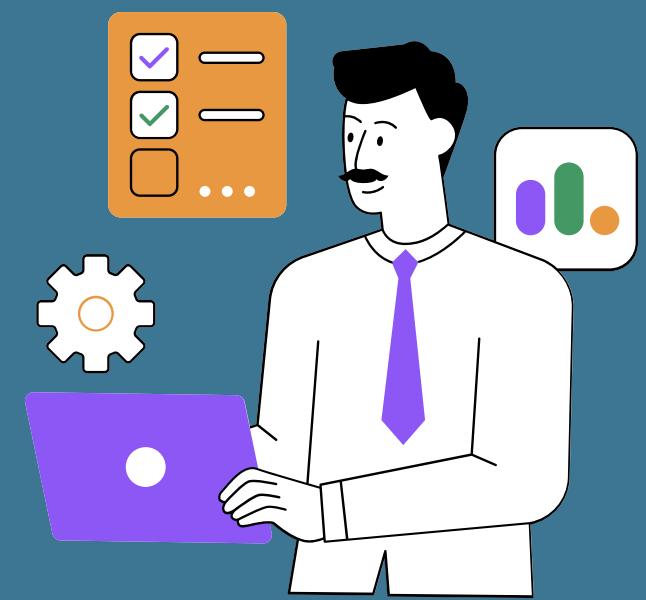
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REQUIREMENTS ANALYSIS & SPECIFICATION

The Actors



Entrepreneur



Administrator



Investor



Functional Requirements

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

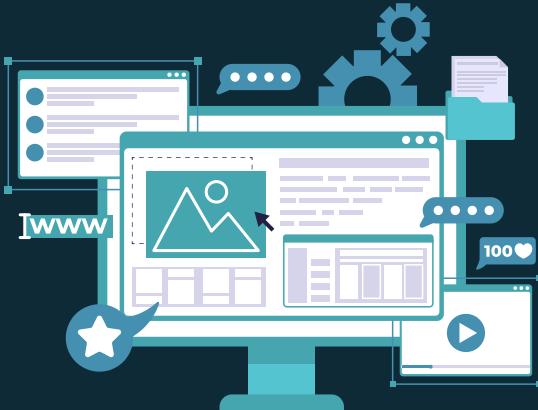
A user must be able to book an interview in a valid project

Badge

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

Fab Lab

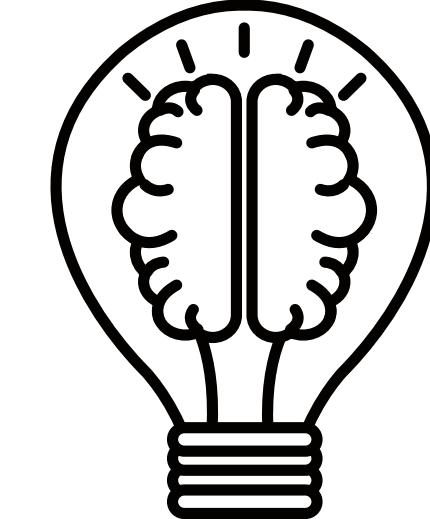
A project must be able to have exhortations to be supported by a fablab



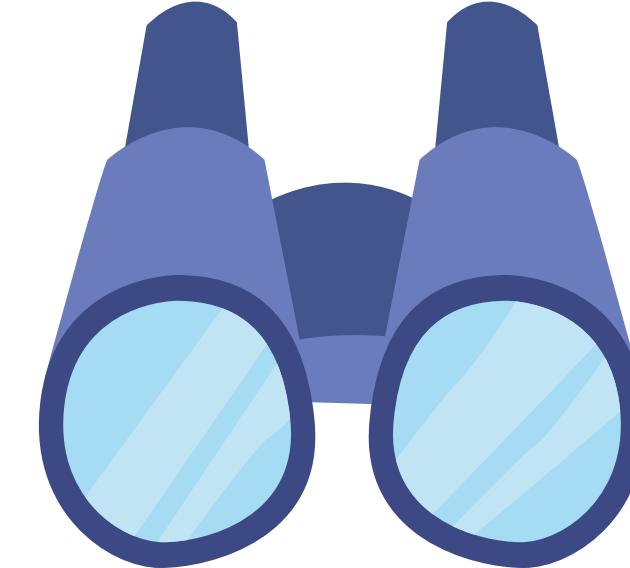
Modules



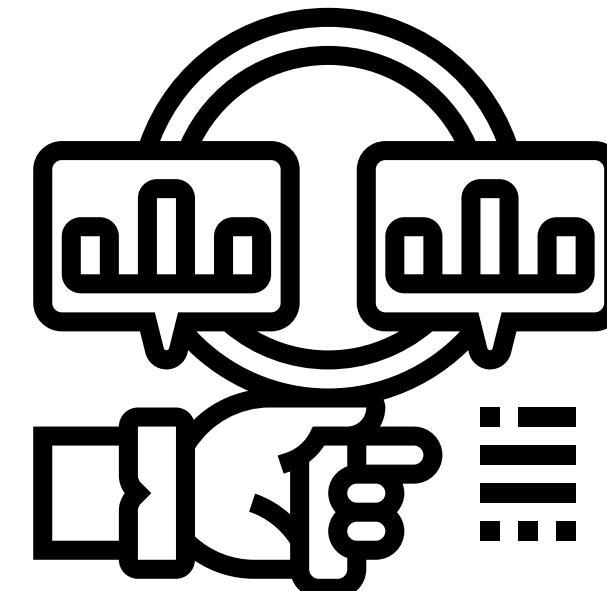
Users Management



project and investment
management



opportunity
management



evaluation
management



fablab management



Non-functional requirements



Ergonomics



Security



Performance

- the application will be user-friendly, intuitive and easy to navigate. The design and layout will be visually appealing and consistent throughout the application.
- We're going to use a Module from node.js which is PASSPORT this module is Known for its level of security
- We're going to use the JavaScript library REACT which is known for its Performance

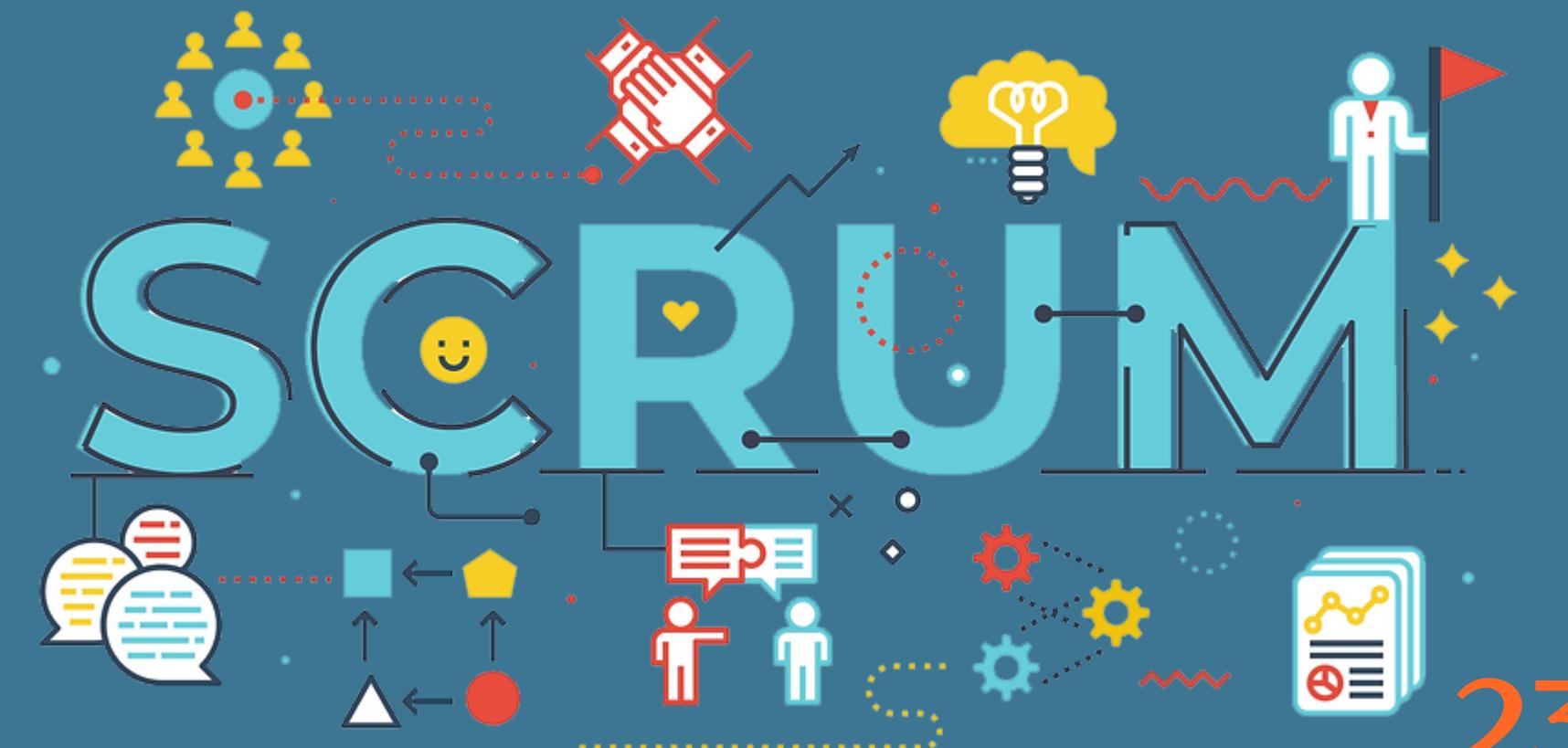


TECHNOLOGIES &
WORK
METHODLOGY

Work Methodology

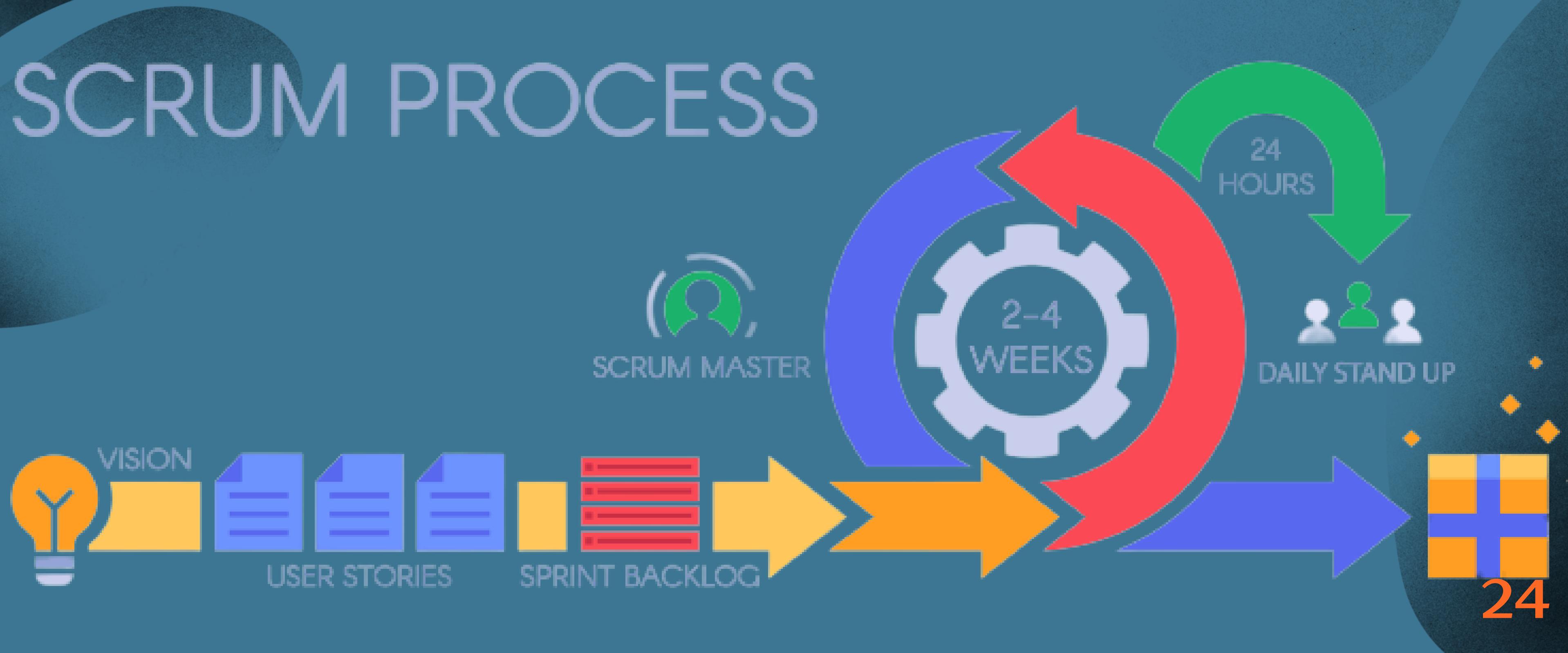
Scrum

- Scrum promotes collaboration and communication among team members, which can lead to a more cohesive and productive team





Work Methodology





Work Methodology

Scrum

- an Agile methodology
- Iterative and incremental
- Collaborative
- Product backlog

Unified Process

- an iterative and incremental methodology
- Limited adaptability
- Time-consuming process
- Overemphasis on documentation

Technologies

- Performance
- Flexibility
- Reusability

- High code complexity
- Dependency on external libraries
- Poor performance on older browsers





Technologies

~~NEXT~~.JS

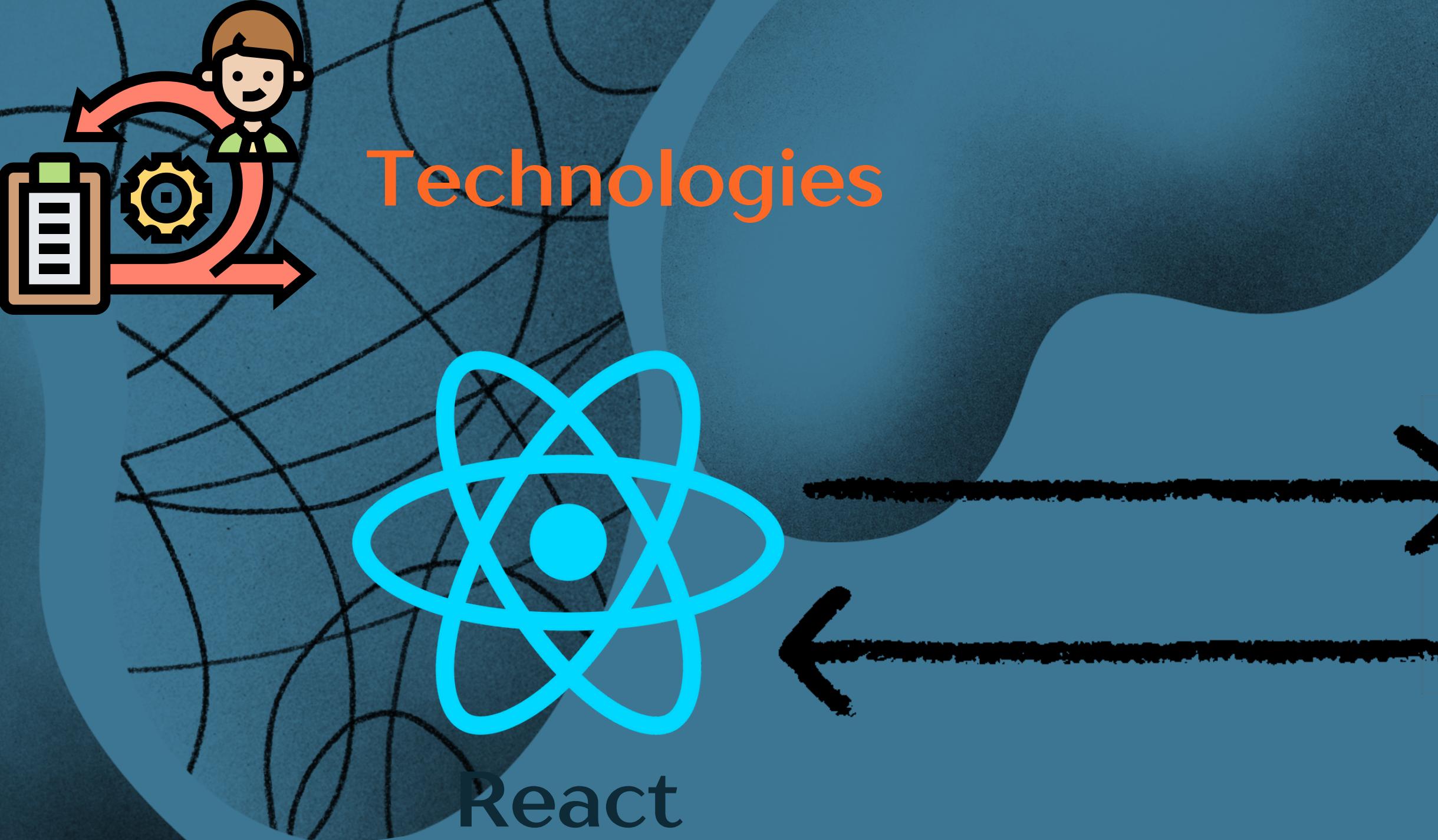
- Complex configuration
- Poor performance on older browsers
- Limited flexibility



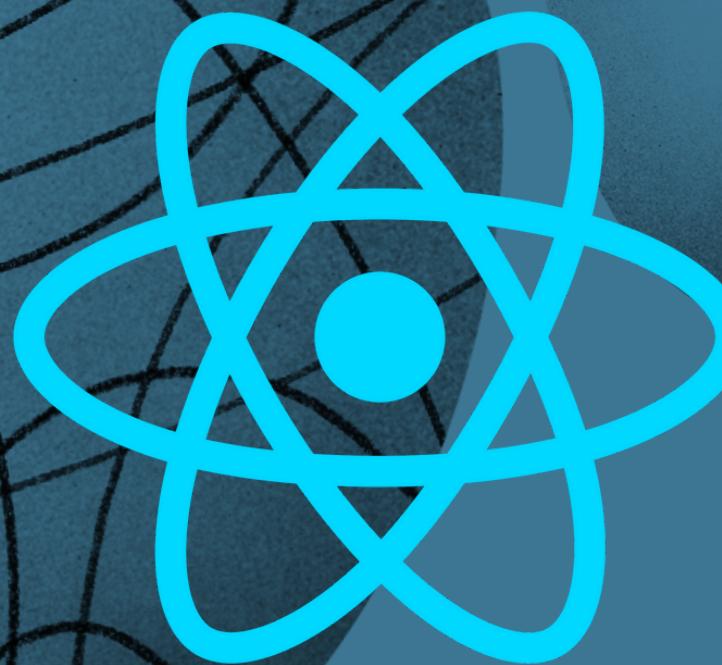
Express

- Flexibility
- Scalability
- Middleware support





Technologies



React

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



Express



Express

- Minimalistic
- Flexibility
- Middleware
- Performance

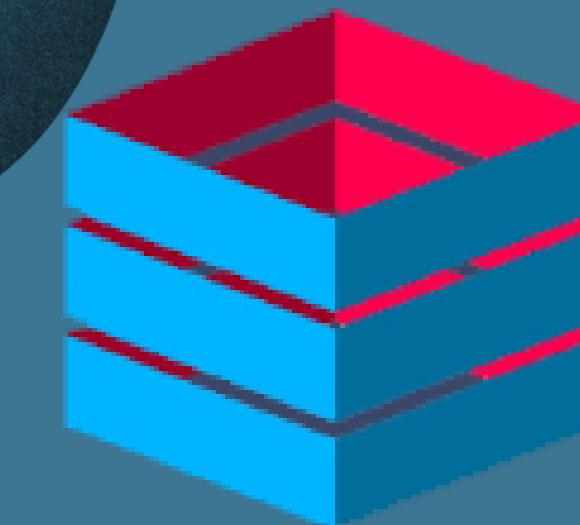
Technologies



High Scalability



Big Data Capability



NoSQL Database



Easy Replication



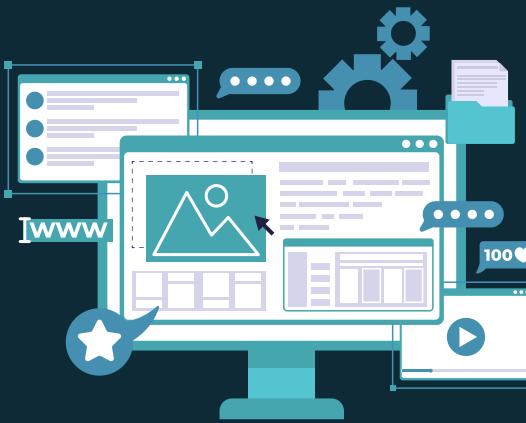
High Availability



Fast Performance

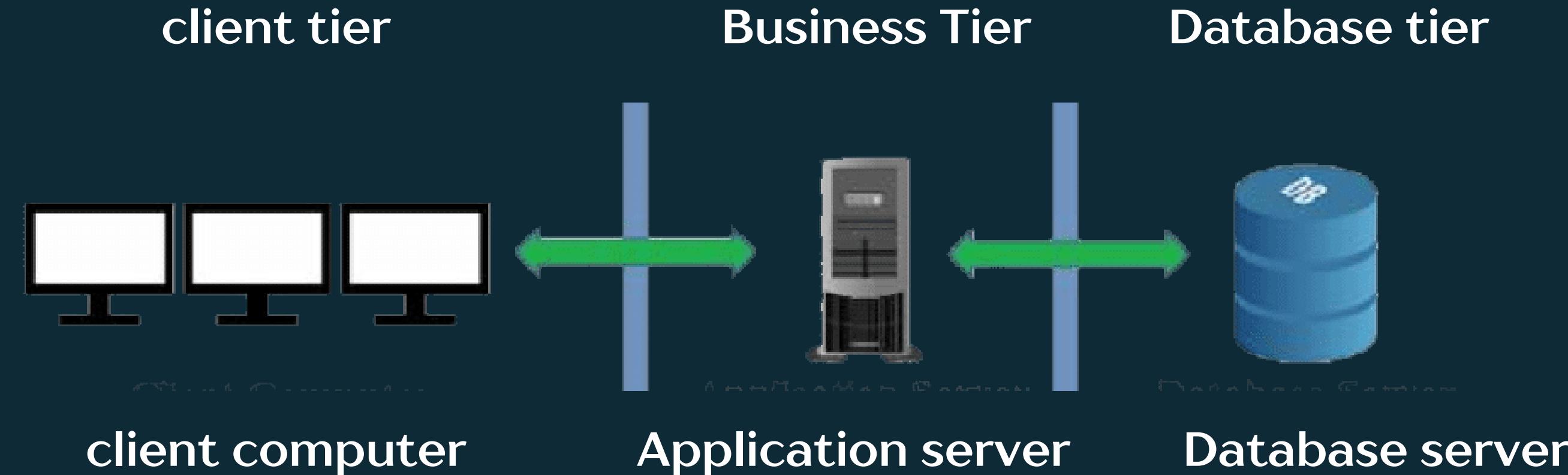
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APPLICATION ARCHITECTURES

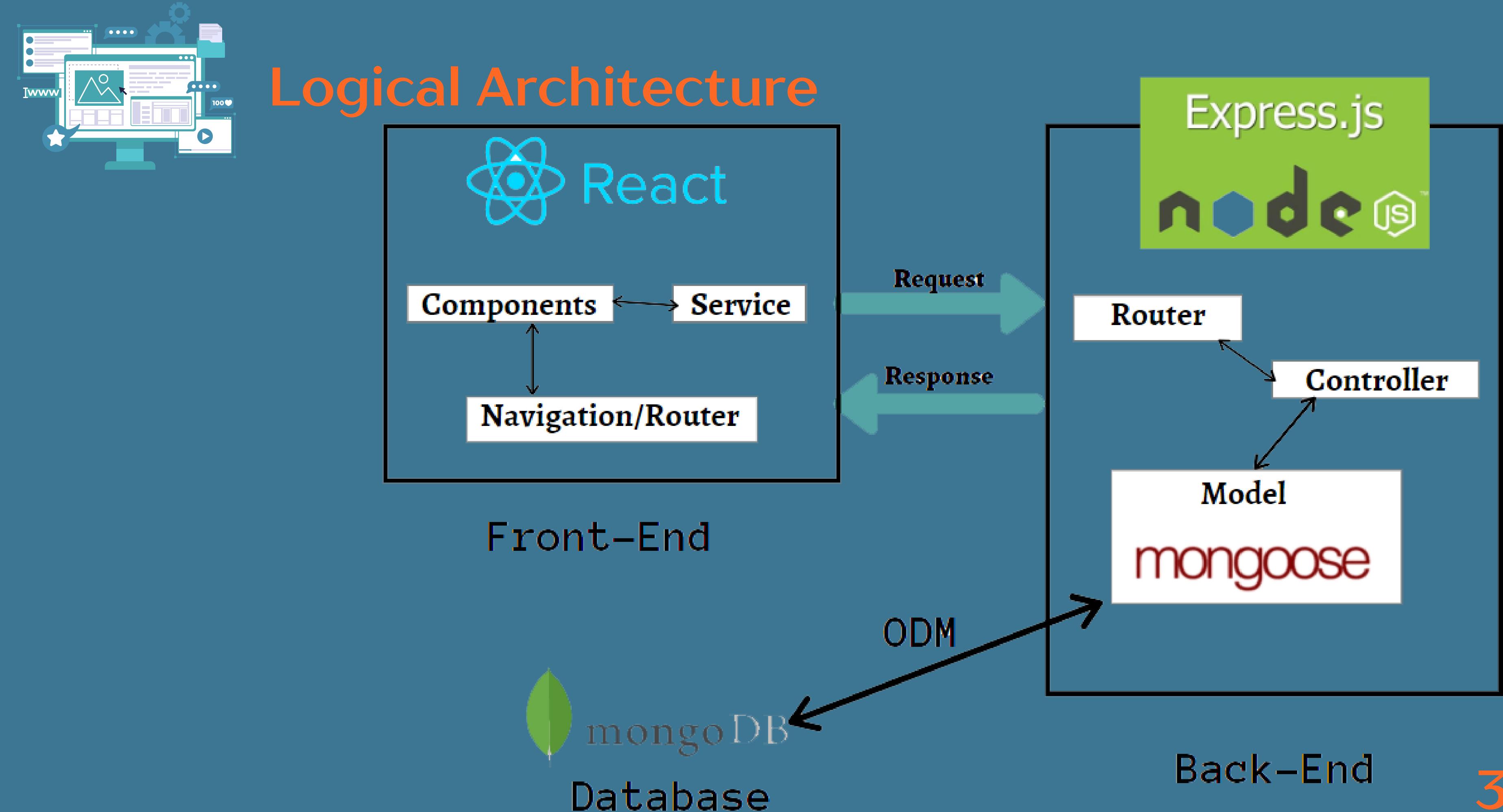


Physical Architecture

- N-Tires Architecture



Logical Architecture



6

PROTOTYPE

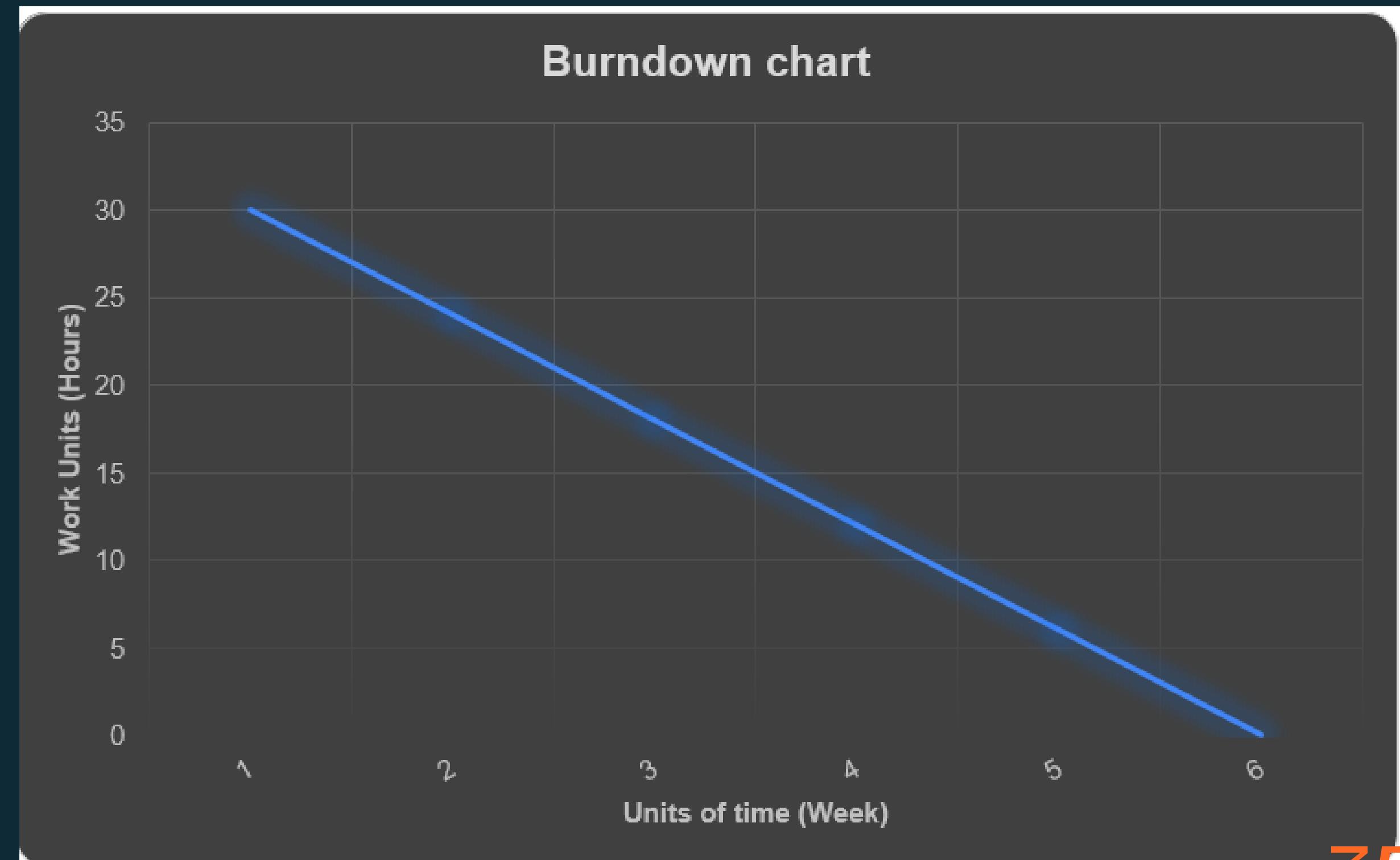
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PROJECT PLANIFICATION



Project Planification

Ideal hours
30
24
18
12
6
0



The background features a dark teal color with abstract graphic elements. On the left, there is a large circle filled with a grid of black lines that intersect to form a web-like pattern. To its right and above, there are several overlapping dark teal circles of varying sizes, creating a sense of depth and motion.

THANKS FOR YOUR
ATTENTION