# Chapter 5 Ideate

The ideation phase served as a creative foundation for designing the structure, layout, and key workflows of the P.A.C.E. platform. This phase involved wireframing, sitemap generation, and the creation of a detailed product backlog. It allowed for visualizing the core functionality and refining user navigation before technical implementation.

## 5.1 Wireframes

Initial wireframes were hand-drawn to show both the User and Organization sides of the platform. These were sketches for:

* User Login Page: A simple login form with two fields and the option to ask users if they Don’t have an account already so they can redirect to registration page . Clear access points for current users and new users.

(Pic-1)

* User Registration Page: A simple form with fields for email, password and confirm password option to make sure they typed same password as above. Field validations were added later, like making sure that the email address has a "@" sign and that the password is at least six characters long.

(Pic-2)

* User Dashboard: It is designed with donut charts, progress indicators, and leaderboards to make the user experience more interactive and data-driven , instead of giving buttons for all.

(Pic-3)

* Organization Login Page: It had a field for the organization's ID, which is given safely after approval.

(Pic-4)

* Organization Dashboard: It was all about showing data in a clear way. So, it is designed with charts, mini trends, downloadable SDG reports, and engagement statistics.

(Pic-5)

These sketches are final refined after internal feedback and user testing.

## 5.2 Website Map

The updated layout was translated into a **Lucidchart-based sitemap** that mapped the navigation, and interaction flows between all pages. This clarified how a user or organization would move from login to engagement. Lucidchart is an online tool which lets anyone to create all shaped structures/architecture for multiple purposes.

**User-Side Website Map Includes:**

* Landing Page
* Login/Register
* Dashboard Overview
* Buttons → Donate Page, Daily Challenges, How do you Feel, Activity List, Assistance.

**Organization-Side Website Map Includes:**

* Landing Page
* Org Login → Dashboard Analytical Overview
* SDG Report Download Button

The sitemap ensured clear UX logic and allowed the build process for frontend and backend more efficient and understandable.

## 5.3 Project Backlog

The project backlog is a comprehensive and structured plan that outlines all tasks, user stories, technical requirements, and anticipated challenges throughout the development of the P.A.C.E platform. It served as a central reference point during the development lifecycle, ensuring clarity in feature development, prioritization, and sprint planning. The backlog was carefully divided into multiple categories including User Stories, Corporate Stories, Technical Tasks, Expected Bugs, Research Areas, Prioritization, and Definitions. Each section was created based on functional and non-functional requirements identified during earlier research and design phases. This organized backlog enabled to manage workflow efficiently, track progress, and adapt quickly to any changes, making the project execution more goal oriented.

**1.User Stories:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **User Story** | **Priority** | **Acceptance**  **Criteria** | **Story Points** | **Notes** | **Est.Duration** |
| US01 | As a visitor, I want to Sign Up & login to explore more about website. | High | Displays Login & Sign up Form. | 3 | **Output to Database: -** Stores user credentials into database. | 1Day |
| US02 | As a visitor, I want to check my analytics on dashboard page to view my performance. | High | Consists dashboard that change dynamically without changing page. | 21 | **Input from Database: -** Displays user overall progress from the database | 5 Days |
| US03 | As a visitor, I want to check the leaderboard on dashboard page to compare my progress with other top users. | High | Displays Top 3 user progress. Consist of user’s name & total points. | 13 | **Input from Database: -** Display top user’s data from the database | 4 Days |
| US04 | As a visitor, I want to check “Donate“ on service page to donate | High | The page should able to take the donations through online transactions. | 13 | **Output to Database: -** Store details of person donating, Total amount donated and Transaction ID into database | 4 Days |
| US05 | As a visitor, I want to check “volunteer & lead” on service page to participate in volunteering activities. | High | It’s available in Activity list | 3 | **Output to Database: -** Users registration details like name, age, gender &  Email will be stored | 2 Days |
| US06 | As a visitor, I want to check “Protect land, sea, wildlife” for special opportunities to participate in activities to protect. | Medium | Displays activity information about how to save land, sea, wildlife on Activity list | 2 | **Output to Database: -** Total no of people used this page will be stored to database. | 1 day |
| US07 | As a visitor, I want to check “Need Assistance” page to support . | Medium | Display Contact Form  to fill details | 2 | **Output to Database: -** Stores the user filled data into database. | 1 day |
| US08 | As a visitor, I want to check “Advocate & Empower” page to see services about  empowerment | Medium | Displays activity information about it Activity List | 2 | **Output to Database: -**  Stores Users input scale of 1 to 10 and what question asked to database | 2 Days |
| US09 | As a visitor, I want to check” Reuse-Reduce Recycle” page for more information on this service offered by app | low | Consists information about the service and mentions user to download the  P.A.C.E mobile app. | 2 | **Output to Database: -** Stores number of users downloaded the app from the web reference | 1 Day |
| US10 | As a visitor, I want to check” Strengthen body-mind-sprit” page for motivation & health guidance | low | Consists an emoji scale of 5 asks user how they are feeling. | 3 | **Output to Database: -**  Stores user’s current mood | 2 Days |

**1.Corporate Stories:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Corporate Story** | **Priority** | **Acceptance**  **Criteria** | **Story Points** | **Notes** | **Est.Duration** |
| CS01 | As a company, I want to Sign Up & login to explore more about website. | High | Displays Login & Sign up Form(Org-ID). | 3 | **Output to Database: -**  company credentials  will be stored in database | 1Day |
| CS02 | As a company, I want to check organizational analytics on dashboard page to view overall performance | High | Displays overall progress and no of contributions towards respective areas. | 5 | **Input from Database: -** Display’s company analytics from database | 4 Days |
| CS03 | As a company, I want to check the leaderboard on the dashboard | High | Compares with top 5 users and can see profile, name & points | 3 | **Input from Database: -** Top 5 company’s profile  & data will be displayed | 2 Days |
| CS04 | As a company, I want to download the overall SDG report dynamically | High | A download button with Ai-Engine in backend which generates report with data . | 3 | **Input to Database:**  Generates the document and produce it in screen to download | 2 Days |

**2.Technical Tasks:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Task Description** | **Related Story** | **Priority** | **Acceptance**  **Criteria** | **Story Points** | **Notes** |
| T01 | Create & Set up database. | US01 & CS01 | High | User Credentials must save into database. | 3 |  |
| T02 | Data retrieval from database. | US02 &  CS02 | High | Displays User Analytics | 21 |  |
| T03 | Set up Transaction Backend. | US04 | High | Able to take the donations through  online transactions. | 13 |  |
| T04 | Generate a details form. | US05 | High | Take user details through form. | 3 |  |
| T05 | Set up a review scale of 1 to 10. | US08 | Medium | User should able to review. | 2 |  |
| T06 | Link the P.A.C.E  Mobile App to  Download | US09 | Low | User can able to download app through web. | 2 |  |
| T07 | Set up backend links to redirect user. | US10 | Low | User can redirect to respective area by going through those links. | 3 |  |
| T08 | Store company targets for ESG’s into database. | CS04 | High | Company can able to set their progress and contributions. | 3 |  |

**3.Bugs/Defects (Expected):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Bug Description** | **Related Story** | **Priority** | **Status** | **Resolution** |
| B01 | Login page may not redirect to home page | US01 & CS01 | High |  | Check the page links carefully. |
| B02 | Dashboard does not showing proper data. | US02 & CS02 | High |  | Check weather database is linked properly. |
| B03 | Transaction Errors | US04 | High |  | Make  Transaction configuration properly. |
| B04 | Details form not saving the data | US05 | High |  | Connect the database properly. |
| B05 | Contact form not sending | US07 & CS06 | Medium |  | Check the backend for Contact page |

**4.Research/Exploration:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Topic** | **Priority** | **Objective** | **Notes** |
| R01 | Research more about React Technology | High | To develop entire website | Learn the most useful features that can included |
| R02 | Research more about proper connection between web and database | High | To get data from database accurately | Focus on complex queries |
| R03 | Research more on Transactions | High | To make user transactions flexible | Focus on backend most. |

**5.Backlog Prioritization:**

|  |  |
| --- | --- |
| **Priority** | **Description** |
| High | Critical ones to develop in project, must be completed first. |
| Medium | These are important but not that much tough as compared to high so can be deferred if necessary. |
| Low | These are low prioritize, can easily done and takes less time to complete. |