**Definition of non-functional requirements**

Use as a basis the functional requirements raised, the user journey developed and the Branding identity of the Ecolink app, to make a study on the non-functional requirements that the application should have.

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| **Non-Functional Requirements Report** | **Assessment of non-functional requirements for a sustainable application involves analyzing aspects that are not directly related to specific functionalities, but are crucial to ensuring the performance, security and usability of the application.** |
| Identification of Non-Functional Requirements | reaserch about the categories of non-functional requirements relevant to sustainable applications, such as performance, security, reliability, usability, and others |
| Definition of Assessment Criteria | Establish clear, measurable criteria to evaluate each non-functional requirement. for example, define acceptable performance metrics, required security levels, etc. |
| Legal and Regulatory | Ensure non-functional requirements meet applicable legal and regulatory requirements such as data privacy, etc. |
| Platform Choice | Establish the platforms the app will be developed for (iOS, Android, web, etc.) based on target audience analysis and technical requirements. |
| Technology Selection | Choose appropriate technologies for application development, considering frameworks, programming languages, databases, etc., that support functional and non-functional requirements. |
| Definition of Software Architecture | Design the software architecture, identifying key components, layers, and relationships between them to meet application requirements |
| Risk analysis | Identify and assess risks associated with non-functional requirements, proposing mitigation strategies. For example, the application's inability to handle a significant increase in the number of users |
| Competitive Benchmarking | Make a competitive benchmarking against direct competitors, highlighting the strengths and weaknesses of each application. |
| Preparation of the Report | Organize the information collected into a clear, structured report, including an overview, methodology, analysis of results, conclusions and recommendations. So that the application development team has the technical specifications necessary to create it. |
| **Creation of Mockups** | **Creating Demo Mockups of Functionality** |
| Outline of Initial Ideas | Create initial sketches of the application screens, exploring different layouts and arrangements of elements to represent the functionalities in a visual way |
| Prototyping Tool Selection | Choose suitable prototyping tools such as Adobe XD, Sketch, Figma or others that allow for efficient and iterative mockup creation |
| User Interaction and Flow | Show interaction between different screens and simulate user flow through key functionalities |