1 Project Idea

This project aims to implement a web application that analyzes user input and recommends skincare products and routines tailored to individual needs. The application will suggest products based on criteria such as skin type, concerns, and goals to provide step-by-step routines for optimal results.

This project addresses the common challenge of finding personalized skincare solutions in a saturated market. Many users struggle to identify products that suit their unique skin needs. The application offers a unique solution by leveraging user input to deliver customized recommendations, making it personalized and highly user-focused. It benefits beginners, giving them an easy starting point for understanding and building an effective skincare routine.

The target audience includes anyone interested in improving their skincare routine, from beginners to experienced users looking for more efficient solutions. The solution benefits users by being both convenient and efficient. It saves users time by eliminating the need to search for or experiment with various products, allowing them to find suitable options tailored to their needs quickly.

2 Technological Stack

The authentication page will include a login feature that stores user credentials in a *PostgreSQL* database managed with a *Django* backend. Additionally, users will have the option to log in as guest users. The application's front end will be built using *React*, and the *React Router* will be incorporated for navigation. The integration of *Gemini* will allow users to request personalized skincare routines and product recommendations based on inputs such as skin type, concerns, and budget. This functionality enhances the application's user experience, making it interactive and tailored to individual needs. The application will also be designed to ensure cross-platform compatibility, offering a seamless experience across both desktop and mobile platforms through responsive web design.

Our team will also utilize *Jira* for task management and collaboration, following an Agile development methodology to ensure iterative progress and effective team communication. *Vercel* will deploy the application.

3 Team Roles

In our initial design stage, Ramisa, Hanna and Oliver (RHO) will focus on requirement analysis, while Sarah, Sofi, and Nic (SSN) will be responsible for design and documentation. Once we move into the development stage, the team will reorganize, splitting into frontend (SSN) and backend (RHO) groups to implement the application effectively. Additionally, after designing our use cases in the design stage, we will develop unit tests to ensure that each application component functions as intended and meets the specified requirements.