

Skincare Recommendation

Requirements and Analysis

- Requirements Analysis
- Project Planning

Application Design

Wireframes

- Define Project Scope
- Standard design initiation
- Balsamiq Cloud Wireframe
- Wireframe workflow
- Design review

Design Phase

- High Level Design / Flow Charts
- Design review
- Technology stack/android studio
- Stakeholder Approval

Data Pre-processing

- Feature Selection
- Data collection
- Web Scrapping
- Data Engineering
- Data Cleansing
- Product list finalised
- User list finalised
- User reviews finalised
- Data Pre-processing complete

Database and frontend

- Firebase setup
- Database Loading script
- Authentication
- Login screen
- Profile screen
- Like list
- Brand and products
- Recommendation screen
- Firebase Integration testing

Backend Integration

Machine Learning Models

- Approach Review
- POC
- NLP analysis
- Python Notebook preparation
- Multiple models implementations
- Evaluation metrics review
- Graphs and calculation
- Buffer Allocation
- Model Selection

Server and APIs

- Server POC
- Python Flask review
- Flask setup
- Exposed APIs
- APIs testing
- Live hosting review
- Heroku setup
- Firebase integration
- Deployment and hosting
- Backend review

Testing Phase

- Application testing

