3.2 Functional Requirements

FR1: Download mobile application

A user should be able to download the mobile application through either an application store or similar service. It must

be free.

Rationale: In order for a user to download the mobile application.

Dependencies: None

FR2: Download and notify users of new releases

Users can check for updates manually and download them like the initial app.

Rationale: To keep the app updated.

Dependencies: FR1

FR3: User registration - Mobile application

Users can register with a username, password, email, and optionally phone number.

Rationale: For user onboarding.

Dependencies: FR1

FR4: User log-in - Mobile application

Registered users can log in; future logins should be automatic.

Rationale: For user authentication.

Dependencies: FR1, FR3

FR5: Retrieve password

Registered users can retrieve forgotten passwords via email.

Rationale: To reset user password.

Dependencies: FR1

FR6: Mobile application - Search

The main page after login allows users to search for restaurants using price, destination, type, specific dish, or free-text.

Rationale: Enable restaurant discovery.

Dependencies: FR4

FR7: Search result in map view

Results are displayed on a map with pins and filtering options.

Rationale: Geographical result visualization.

Dependencies: FR6

FR8: Search result in list view

List format showing restaurant details and supporting sorting/filtering.

Rationale: Enable detailed view.

Dependencies: FR6

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