

Project Review

Group 6

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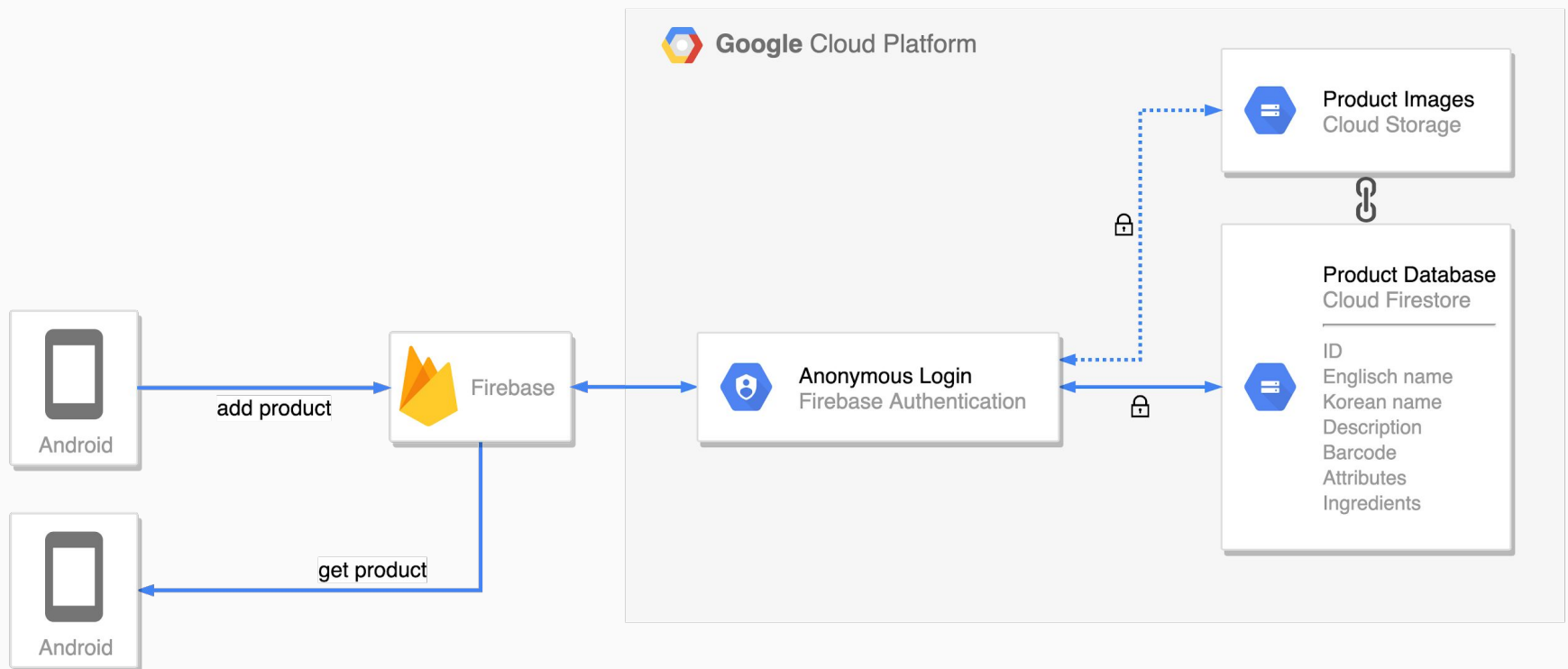
Refined Project Idea

- **Basic Idea:** Users can search for a product and determine if it's vegetarian or vegan
- **Target Users:** Foreigners in Korea
- **Key Solution Approach:** Users search for a product → App shows ingredient list and whether a product is vegetarian or vegan

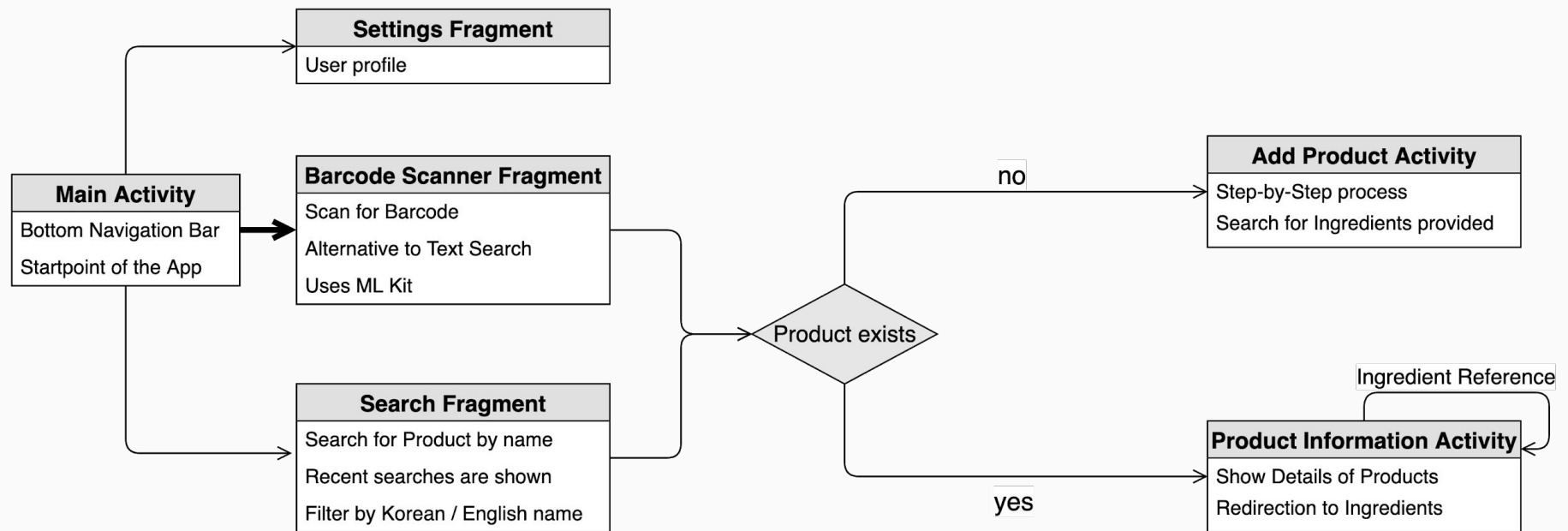
Use Cases

- User adds a product
- User reads information for a product
- User searches for a product
 - via text search
 - via barcode scanner

System Overview



UI Overview



Key Technical Challenges

Problem	Solution
Firebase Firestore doesn't provide a search function	On device search
Real-Time barcode scanning	Usage of ML Kit
Deep nesting of ingredients	Only load ingredients on demand

Project Schedule

- **Doruk:** Barcode Scanner Fragment
- **Philipp:** Add Product Activity
- **Alexander:** Firebase Backend
- **Yuna:** Main Activity with Navigation + Search Fragment
- **Bogyu:** Product Information Activity

Remaining Tasks

- **Doruk:** Improve Barcode Scanner Fragment
- **Philipp:** Add Product Activity
- **Alexander:** Image Recognition
- **Yuna:** Improve Search Activity
- **Bogyu:** Improve Product Information Activity

Not assigned yet: Settings Fragment, Setup Activity, Automatic Filling of Database

Final Deliverable and Success Criteria

- Users who can't speak Korean can find information about products
 - Users can search for products by name or barcode scanning
 - Ingredient list, vegetarian/vegan?
- If a product cannot be found, the user can add it