



BucketList

Adaptation Concepts

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Outline

App Idea

Challenges

Offline

Connectivity

Data Structure

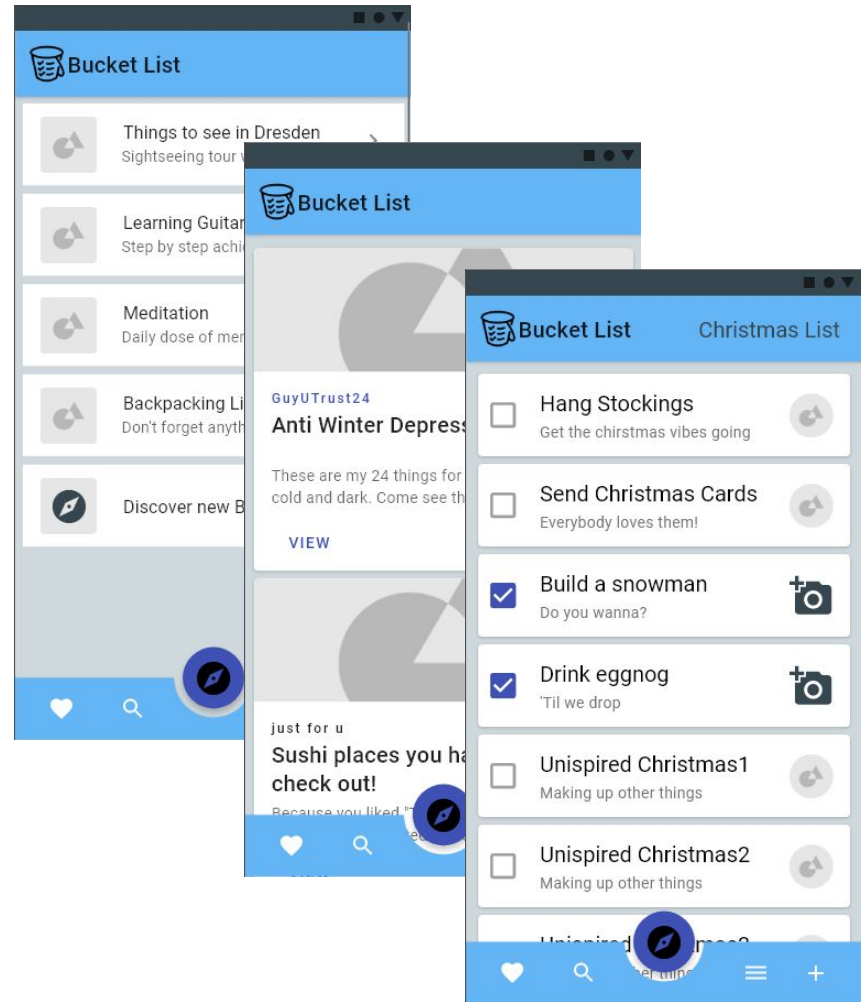
App Structure

Work Plan



BucketList

Checklist app with curated and generated content





Challenges

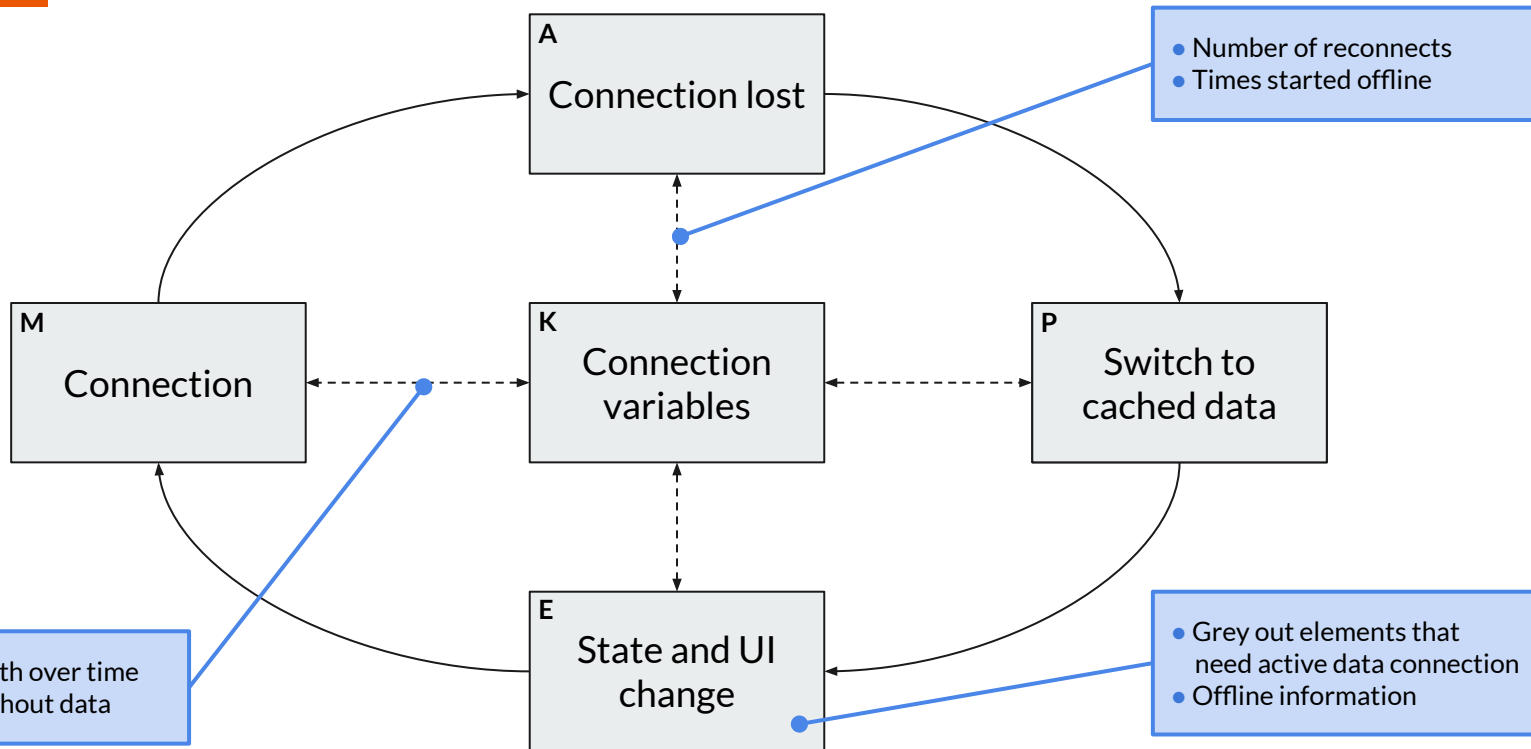
- **Connectivity**
 - Mode for WiFi only
 - Pre-load Lists and queue uploads/downloads
- **Offline**
 - Visual change
 - Only use offline data
- **Usability**
 - Adhere to guidelines (Material.io)
 - Test with users (thinking aloud, etc.)



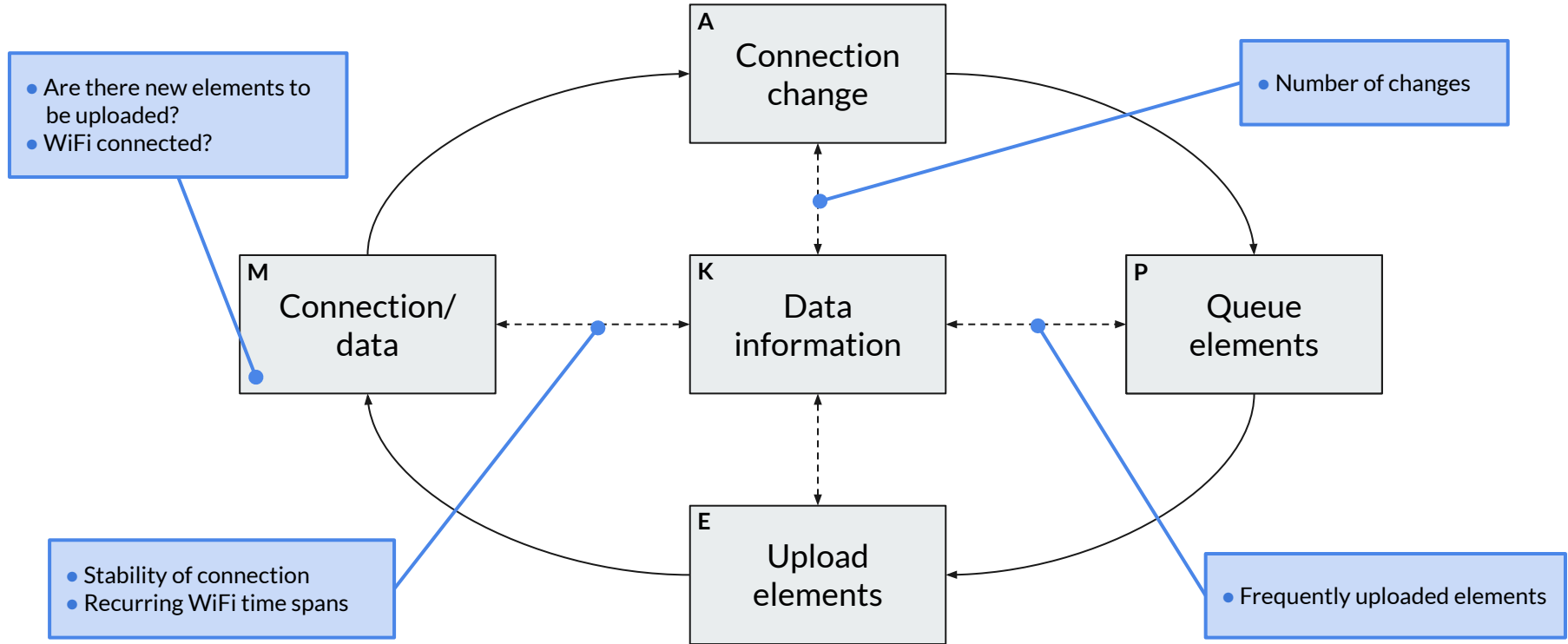
Data Collection

- **Data connection (NetInfo)**
 - WiFi
 - 3G/LTE
 - Strength of connection
- **Location (Geolocation)**
 - GPS
- **Storage (AsyncStorage)**
 - Picture upload queue
 - List element cache
 - Ratings of lists

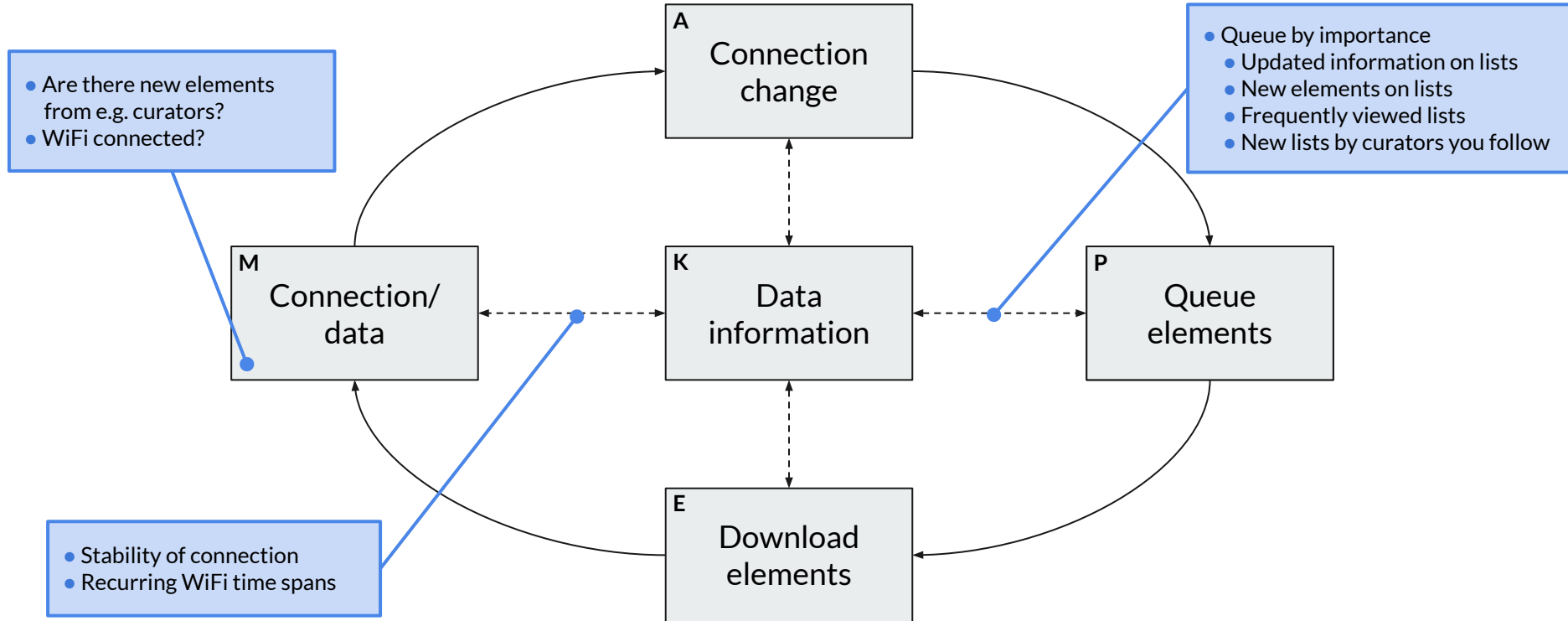
Offline Challenge



Connectivity - WiFi Mode - Upload

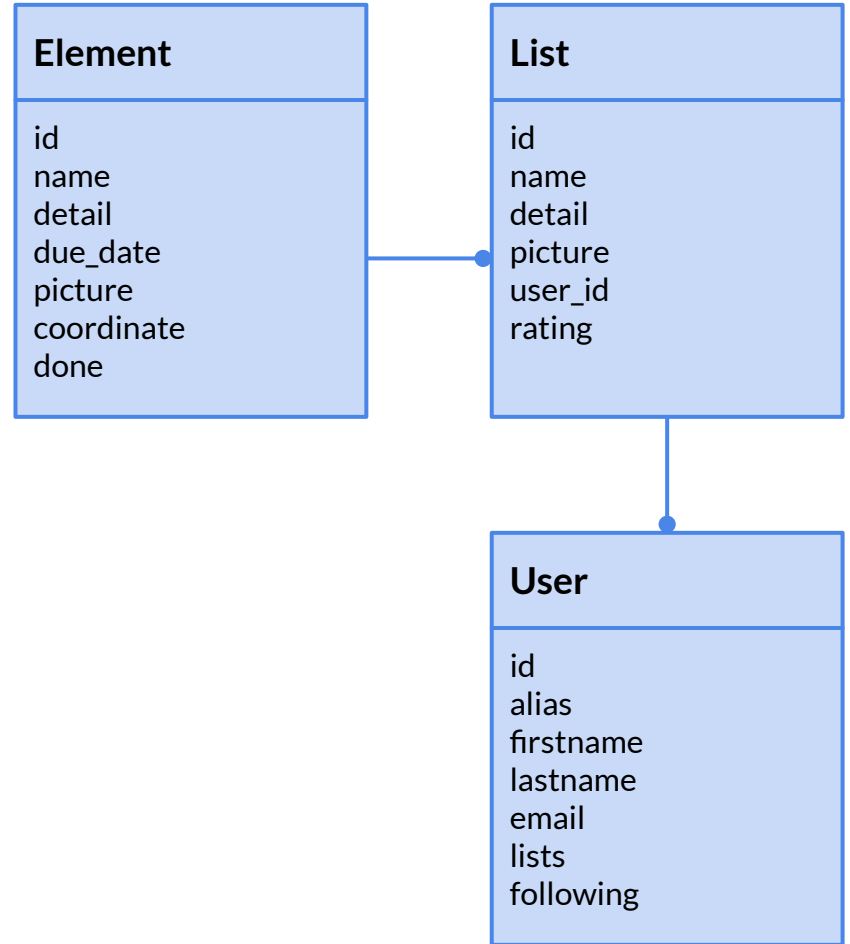


Connectivity - WiFi mode - Download



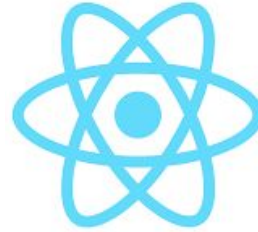


Data Structure





App Structure



React Native Frontend



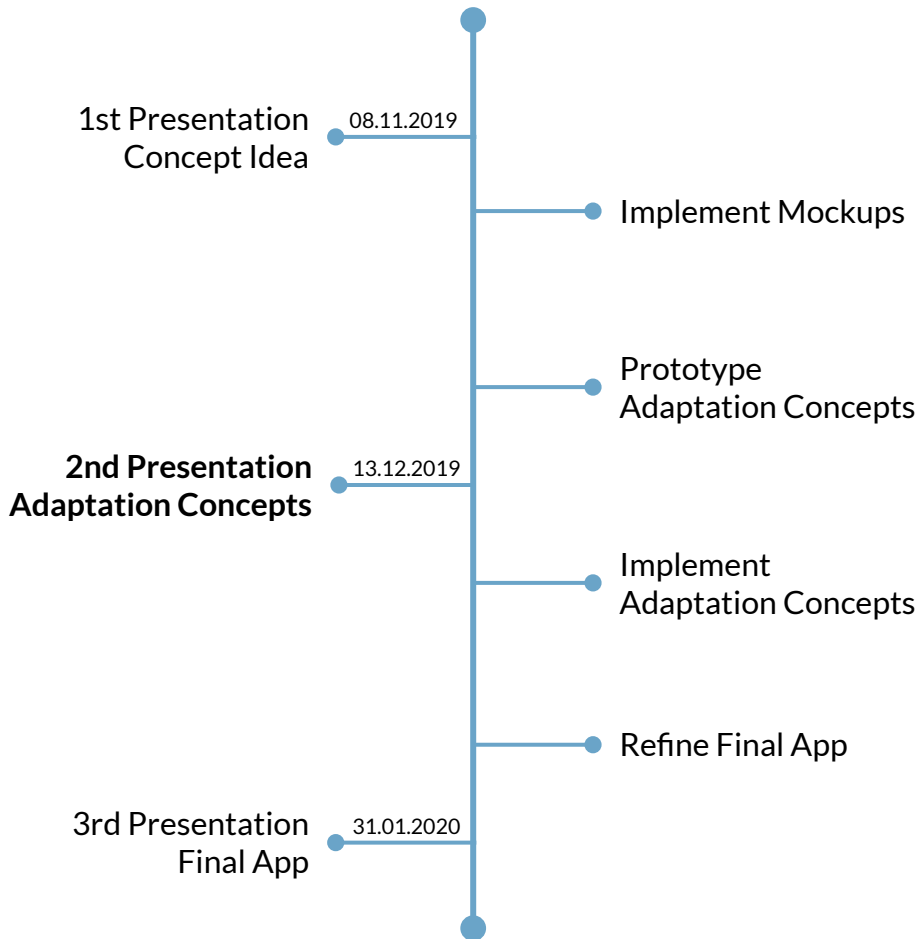
CRUD Flask Backend



SQLite Database



Work Plan



Questions?

