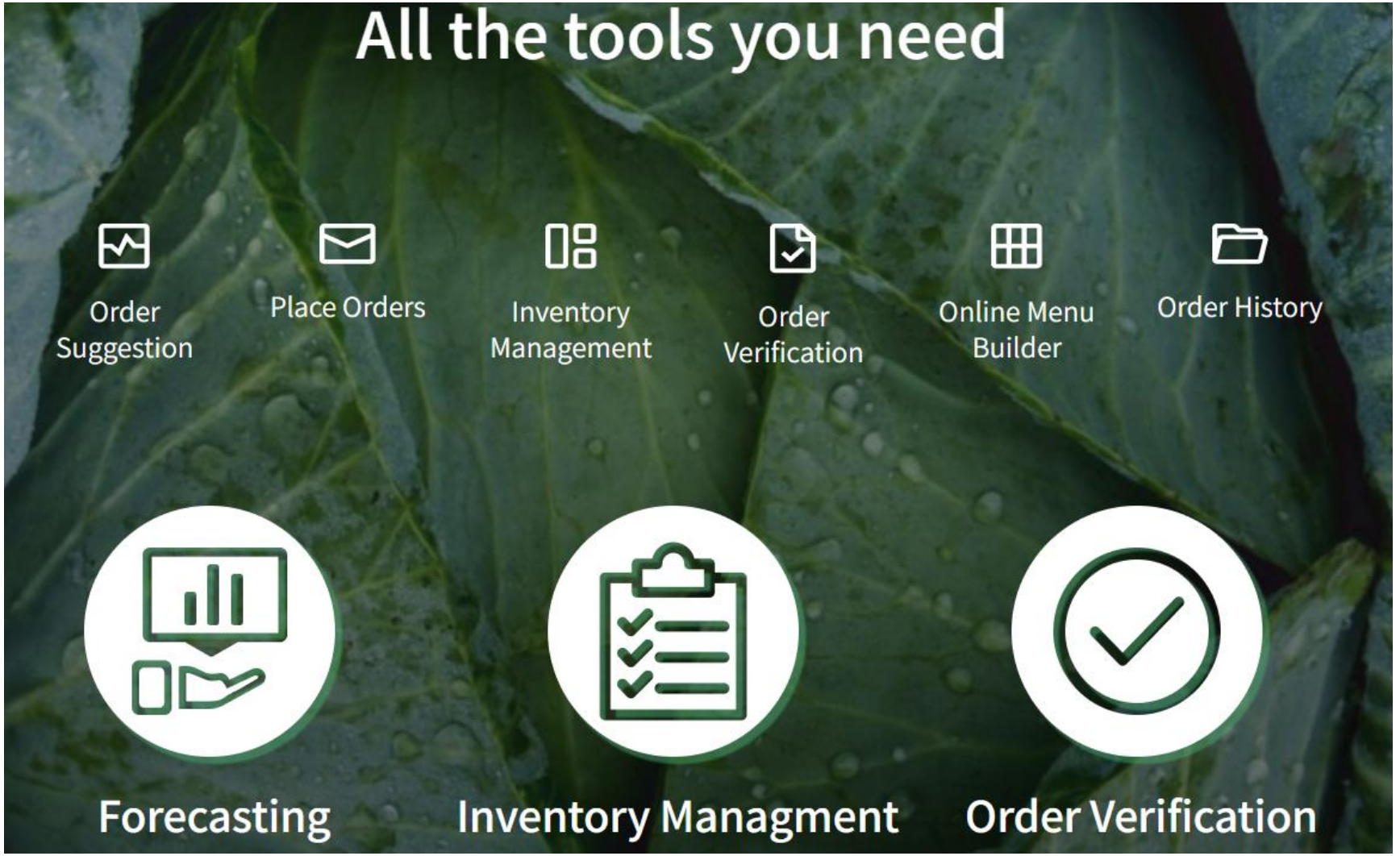
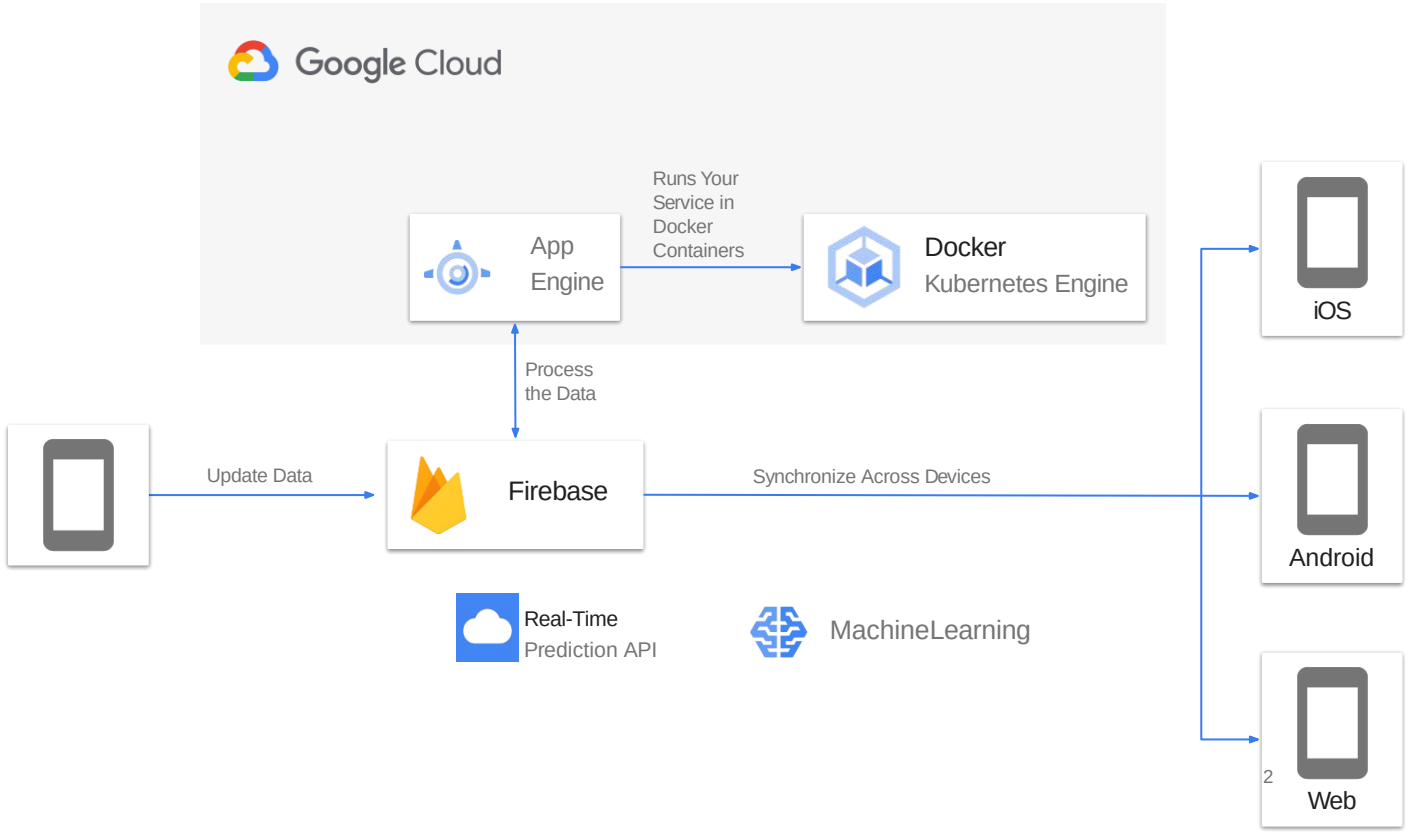
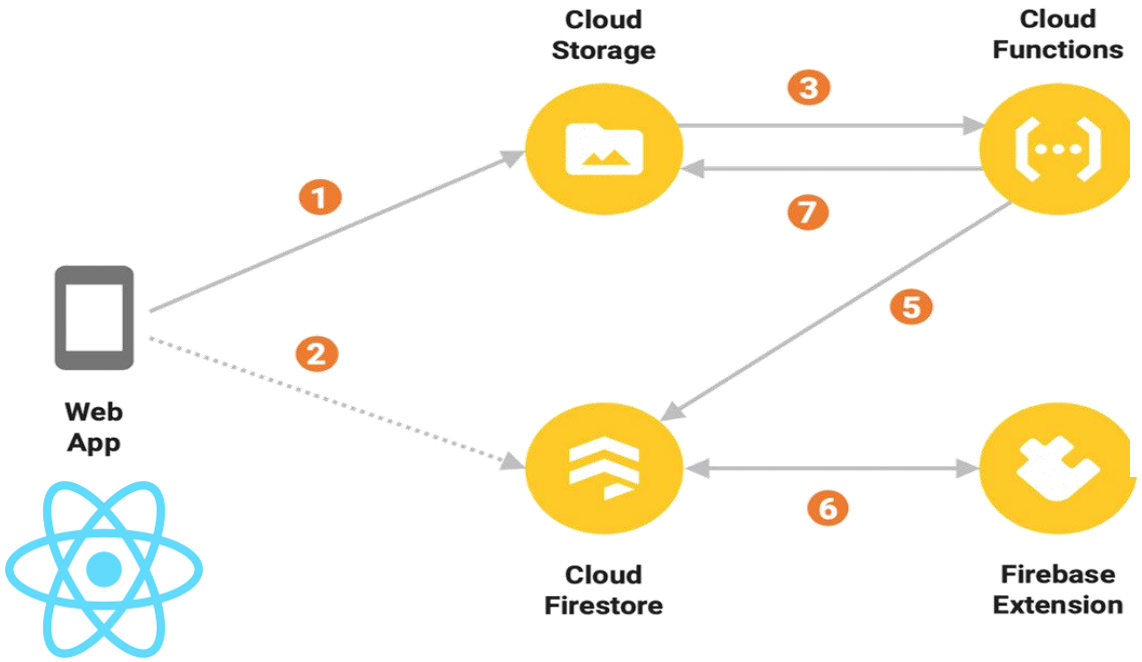
Is this still the plan? What is next?



GCP, Firebase and Services on Managed VMs

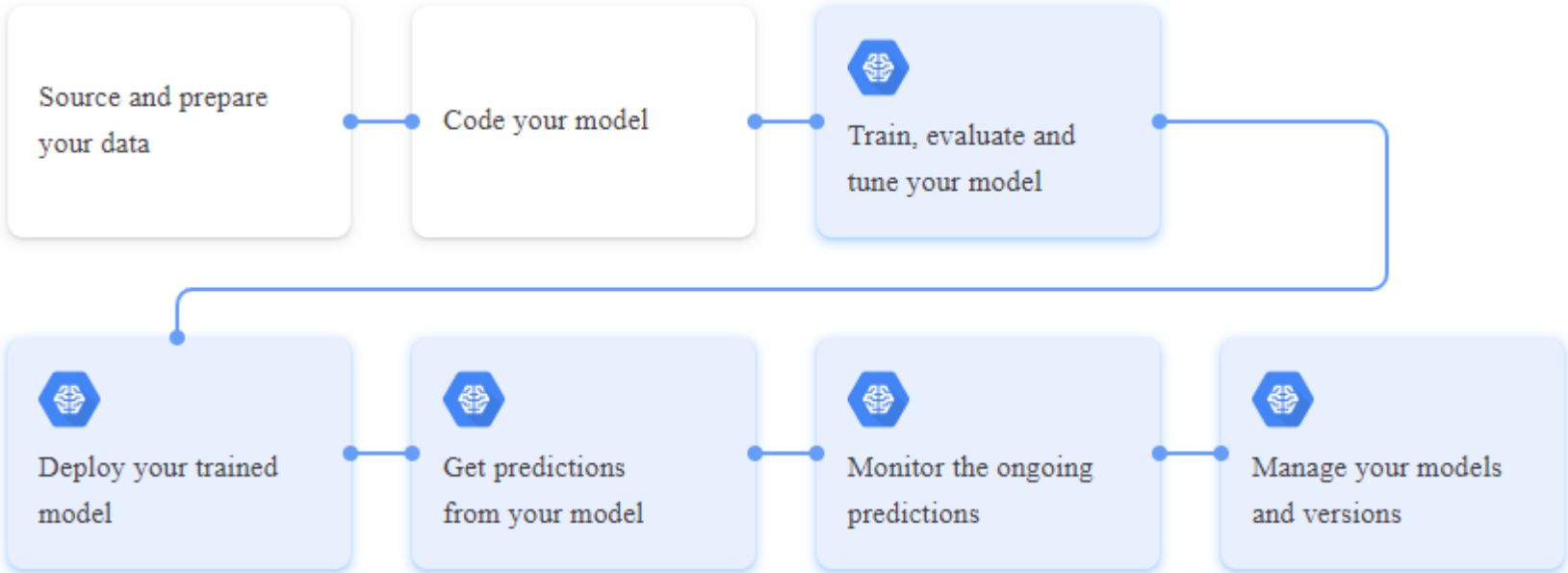


Greenbytes App : Firebase and Cloud Functions

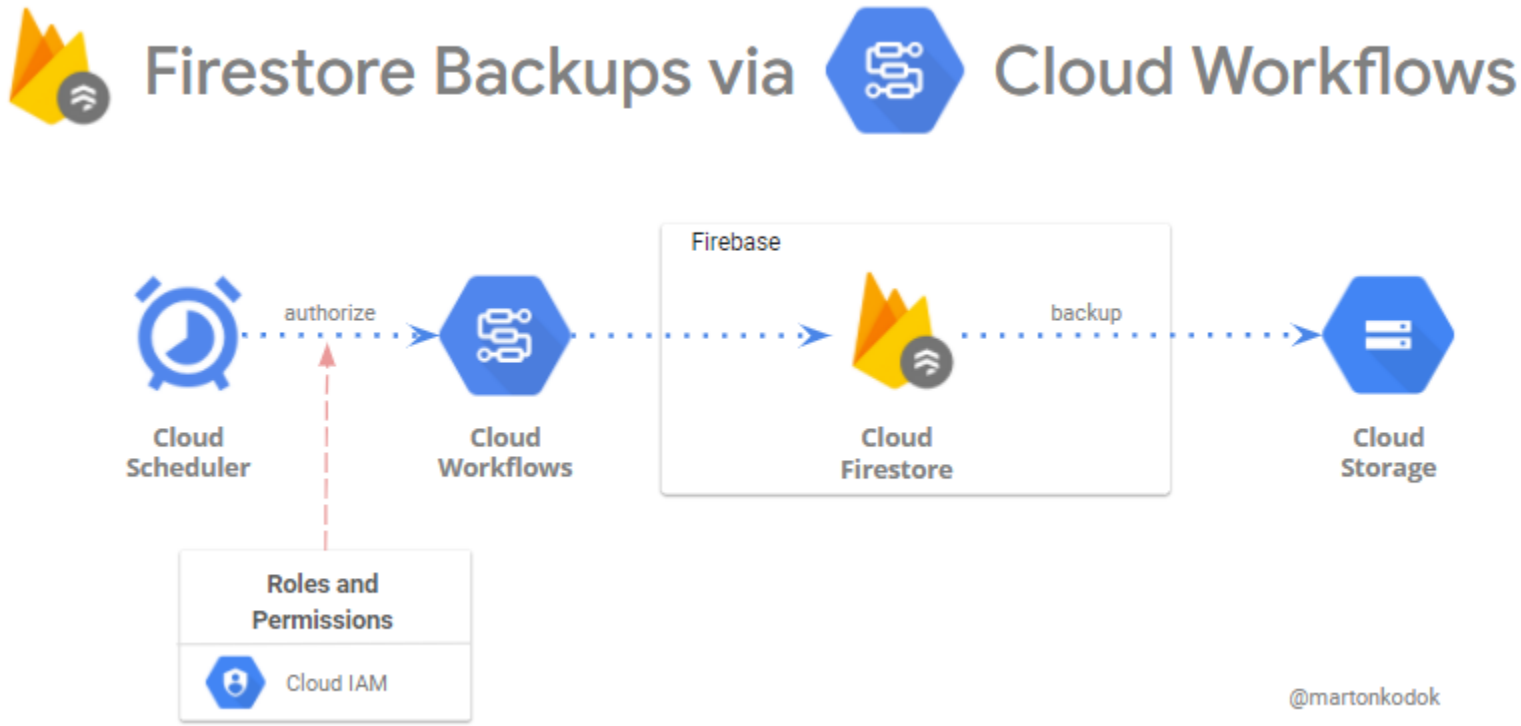


Cloud Functions can handle events in Cloud Firestore in the same Cloud project as the function. You can read and/or update Cloud Firestore in response to these events using the Firestore APIs and client libraries.
In a typical lifecycle, a Cloud Firestore function does the following:
Waits for changes to a particular document.
Triggers when an event occurs and performs its tasks.
Receives a data object with a snapshot of the affected document. For write or update events, the data object contains snapshots representing document state before and after the triggering event.

ML and Prediction side



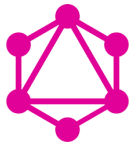
Firestore databases backed up on GCP



Current APIs and tools used to extract data from POS

POS systems

API tools, RESTful API and tools



Transition to generic integration with POS; parameterize variables by passing on identifiers (to get data)

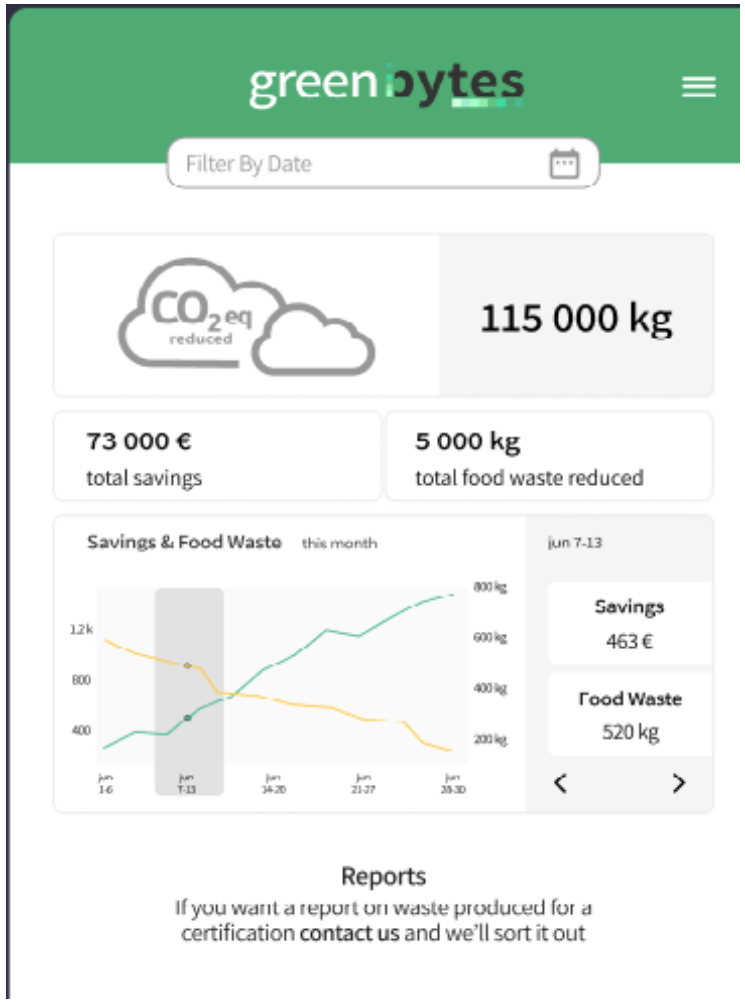
- List all potential POS/APIs from Iceland and other countries

- In order to transition from particular (hard coded) to general, determine standard fields required POS for data extracts such as:

Potentially built in a query builder form with firestore data with parameters

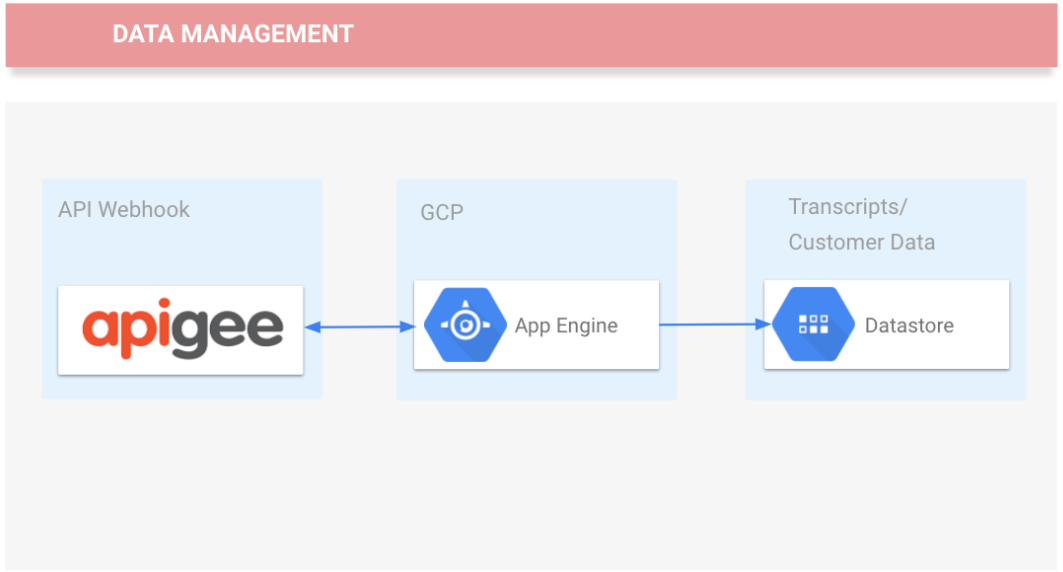
- Link API example for dk : GET /api/v1/product/transaction/{page}/{count}*
- Tokens and Identifiers
- Fields:
  - ID /Name
  - Date
  - Quantity sold

Create screen for visual feedback on savings and impact for app users (already wireframed)



Ideas for the future app: integration of APIs

- Potential approach for integration of multiple POS systems APIgee from GCP, however the integration of APIGee service will require a learning curve and present cost.



https://www.qwiklabs.com/focuses/798?locale=zh_TW&parent=catalog

Ideas for the future : Scaling with Kubernetes

Scaling with Kubernetes. Kubernetes are difficult to configure, but if executed well, scaling can become a easy to maintain task

https://cloud.google.com/kubernetes-engine/docs/how-to/scaling-apps