Front End

App Name

Register
Google email

Register

SIDEBAR | Scrollable Action Page

Home

SideBar
↳ Settings (User Credentials)
↳ Recipes

Scrolling Action Page
↳ Today's intake
↳ Prompt to take photo
↳ Establish new recipe

Date Log
item serving 📷

Today's Intake

Export Log as JSON

JSON
{
  Ingredients: [
    Ing-name: name ,
    serving: empty or fill ,
    barcode #: empty or fill
  ]
}

Implementation:
● High Priority
● Medium Priority
● Low Priority

Recipe Name
item serving 📷
item   "   "
  ~   "   "
  ~   "   "
[Save]

→ button to take photo for ith ingredient

Export Recipe to server as JSON

Recipe JSON:
{
  id: recipe name ,
  content: [
    serving: empty or fill
    barcode: empty or fill
  ]
}

Backend

Django Framework

Request →

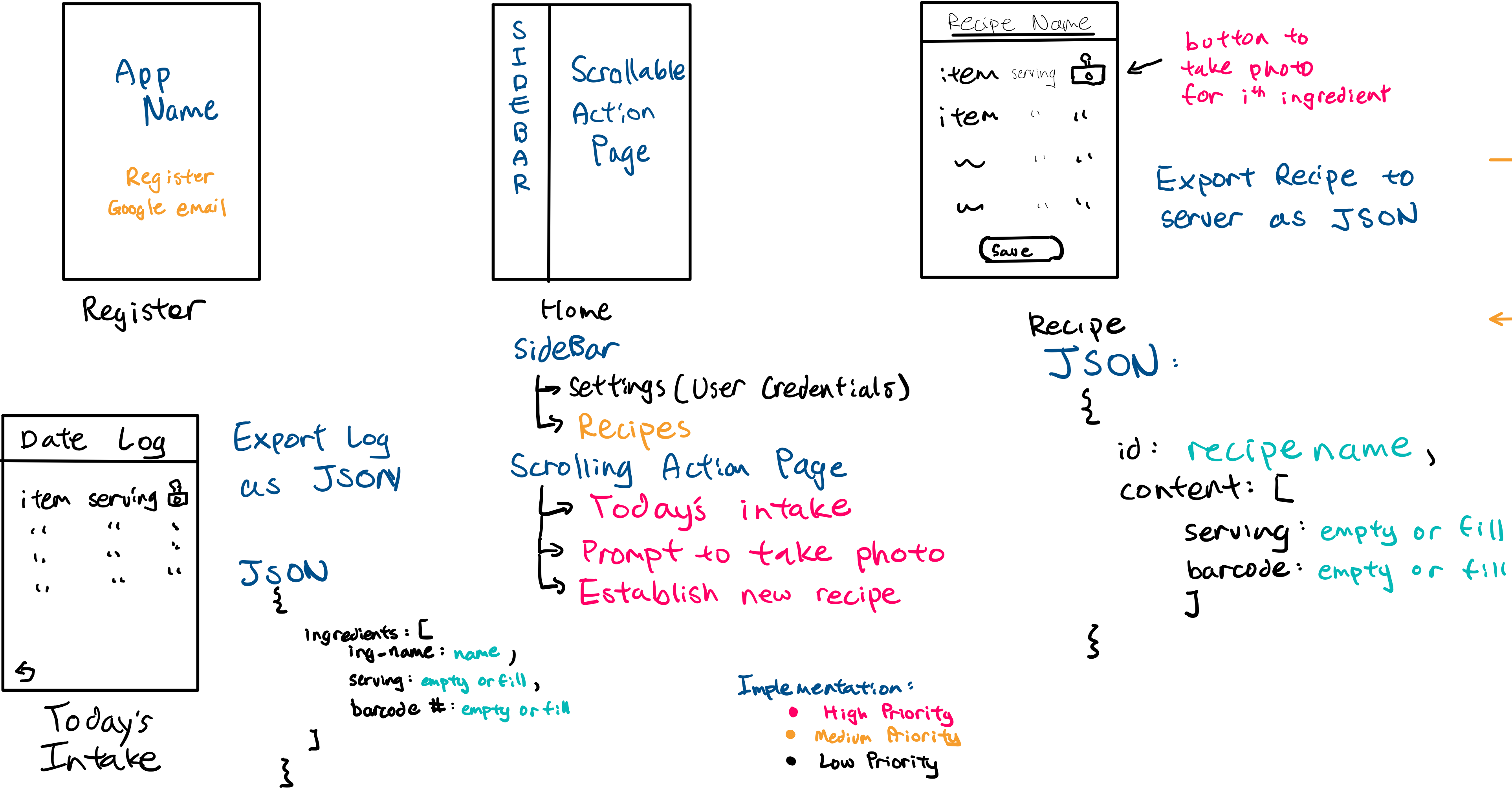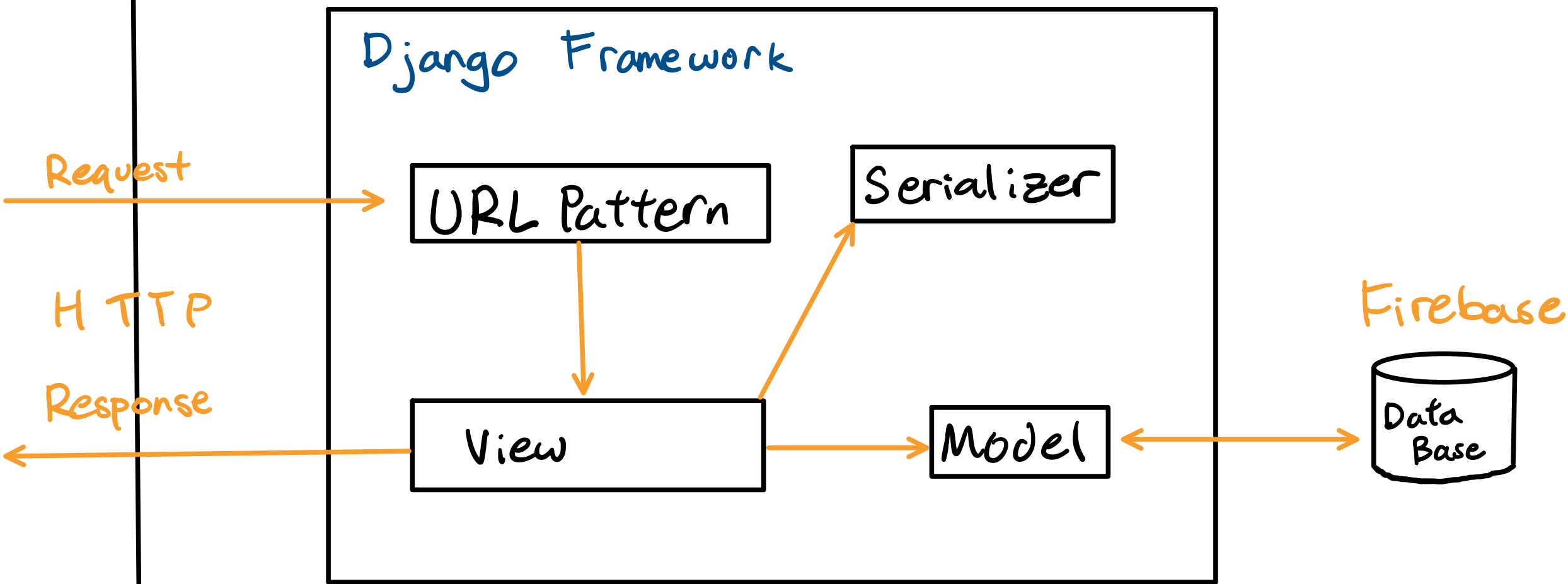URL Pattern   Serializer

HTTP

Response →

View   Model

Firebase
Data Base

URL Pattern routes HTML request to designated view function
- allow regex
- ignores GET/POST in URL → http://···/myapp/?···} ignored

View takes Web request to return appropriate web response
- web response come in HTML python functions

Model stores classes that map to database field
- can store/retrieve object, query for stored info

Serializer serialize/deserialize data to/from python or JSON
- serializer declared as class

Goals:
- Gmail Auth
- Keep track of user's recipe & daily food intake
- Take picture
- Read Barcode
- Ask user amount of servings

Goals:
- REST Service calculate calories from JSON

Define functions in Model:
↳ Be able to query barcode/ingredient name from FDC
  calculate nutrition facts from portion
  save into user database

GET
- recipe
- logs
- nutrition.Methods()

POST
- recipe (new/edit)
- logs (new/edit)

User JSON
{
  id: Name,
  recipes: [
    { ···· },
  ]
  logs: [
    { ···· }
  ]
}