

System Design

of

UTM Food Tracker

CSC301 Introduction to Software Engineering

2020

Contents

1	CRC Cards	3
2	Software Architecture Diagram	5
2.1	Description	5
2.2	Diagram	6

1 CRC Cards

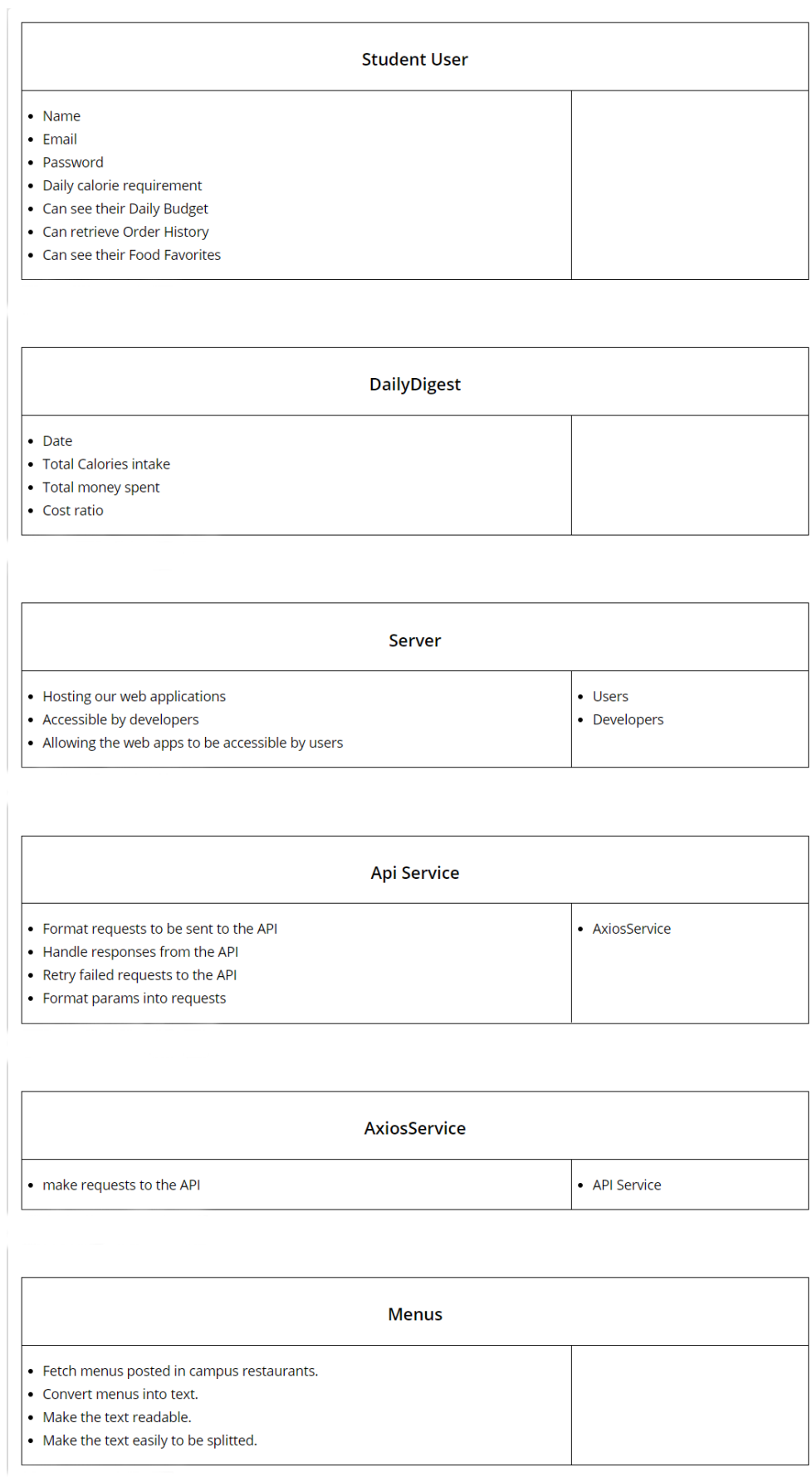


Figure 1.1: A high level description of classes

2 Software Architecture Diagram

2.1 Description

The frontend is an angular application written in TypeScript (a superset of JavaScript). The client is compiled by the Angular CLI into HTML and JavaScript which can be then deployed to browsers. The server is a Java REST API which interacts with a MongoDB database to serve menu data and user information to the frontend, it exists on a machine in the cloud. The MongoDB database is hosted by MLabs and interacts with our API. it is important to note that the frontend never interacts with the database directly, it only interacts with it VIA the JAVA REST server.

2.2 Diagram

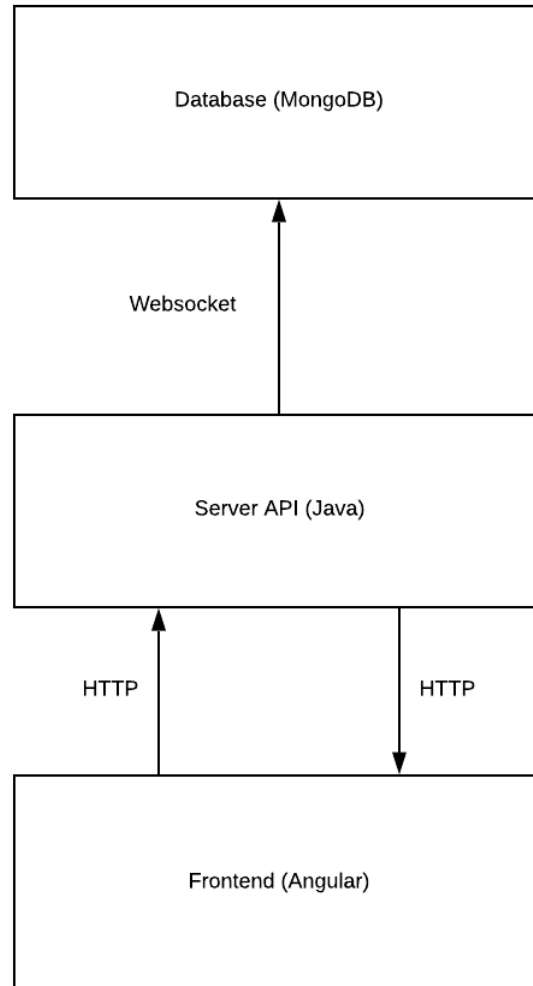


Figure 2.1: A high level architecture of FOOD TRACKER app