

UML Diagram Rationale

Our server side implementation of our project contains the vendor class to store all information related to vendors. The three services which communicates between the server and client are separated into their own classes as they request different information. This therefore reduces coupling. The login service interacts with the google server instead of Vendor as it requires data from a Google account and a Facebook account. VendorRating is separated from the other vendor information as it requires information from the user not the data set. We also designed the VendorServiceImpl class to deal with both parsing and persistence of data as both jobs are similar in nature and handle the same data. TwitterIntegration class is not associated with the login service because it redirects the user to the Twitter website.

On the client side implementation, the FoodSorce class contains with the three services to obtain the data from the server. The UI, Google Mapping Service and Events are all associated with it to handle events and to display the UI and the map. LoginInfo and VendorInfo are implemented through the Serializable class as they need to be passed between the server and client.