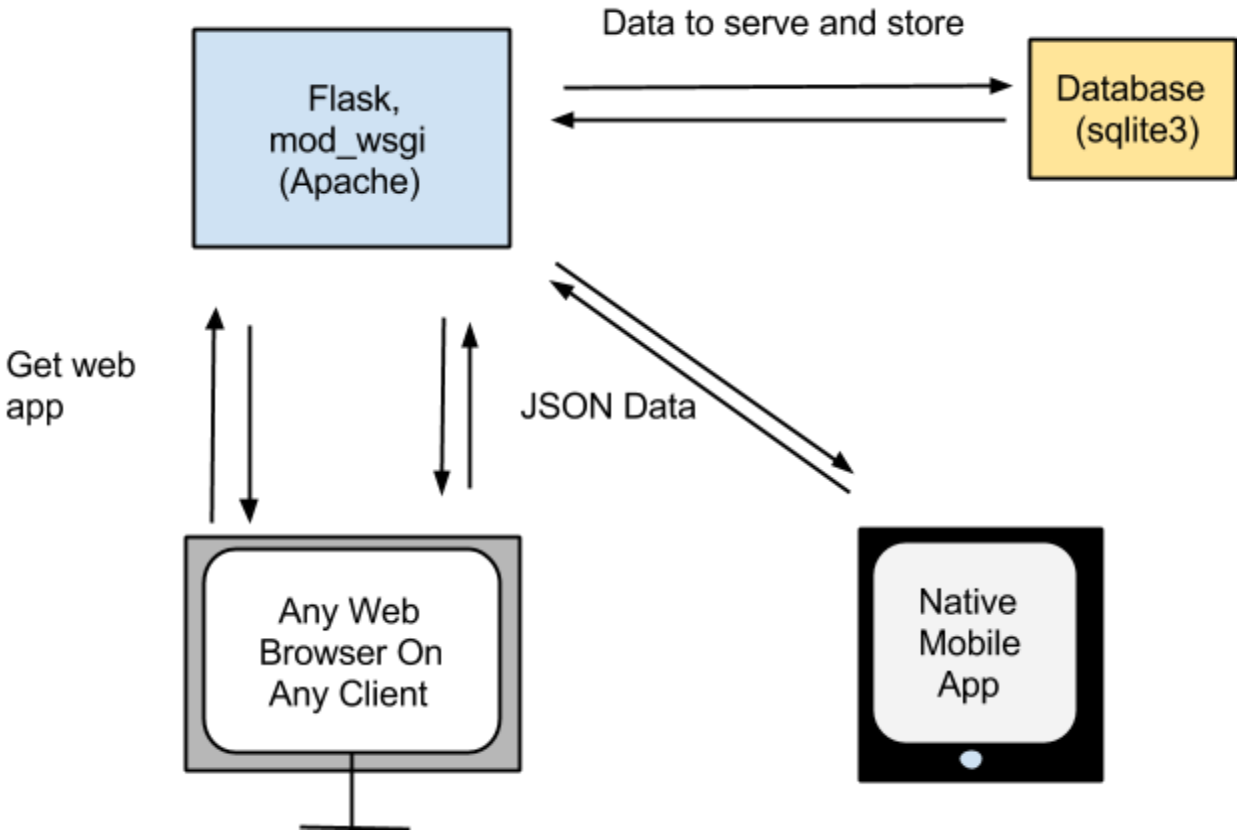

Application Design

Users will connect to the service through either the website via a web browser, or through the native mobile client if they are using an iPad. Once connected through HTTP, our server will be running Flask which will present HTML and other pages/data to the user. mod_wsgi is used for presenting flask in production. Connecting using the Native iOS application will present them with their data in a form suitable for the iPad, while using the service on a phone or desktop through a web browser will display their data appropriately for those devices.

The user will now be able to interact with the Server. Data will be sent via post/get messages and data will be formatted in JSON. This will enable our Server to have standard messages that all clients, whether native or web-based, will expect and use.

The server connects to a sqlite3 DB locally and will pull/push data. This will be used to store information about users and everything that we keep about them. The tables that we will use are defined below.

Database Design

Tables:

1 User)

userID	Number (PK)
userName	String (x chars)

2 UserInfo)

userID	Number (PK, FK)
name	String (x chars)
address	String (x chars)
birthday	TimeStamp

3 Obligation)

obligationID	Number (PK)
userID	Number (FK)
name	String (x chars)
description	String (x chars)
startTime	TimeStamp
endTime	TimeStamp
priority	String (or number)
status	String (or number)
category	String (or number)

4 SubObligation)

sObligationID	Number(PK)
obligationID	Number(FK)
name	String (x chars)
description	String (x chars)
startTime	TimeStamp
endTime	TimeStamp
priority	String (or number)
status	String (or number)

5 Reminder)

reminderID	Number (PK)
obligationID	Number (FK)
reminderTime	TimeStamp
description	String (x chars)

6 Alarm)

alarmID	Number (PK)
obligationID	Number (FK)
alarmTime	TimeStamp
soundType	String(or number)

7 ContactList)

userID (PK, FK)
userID List (of userID Numbers)