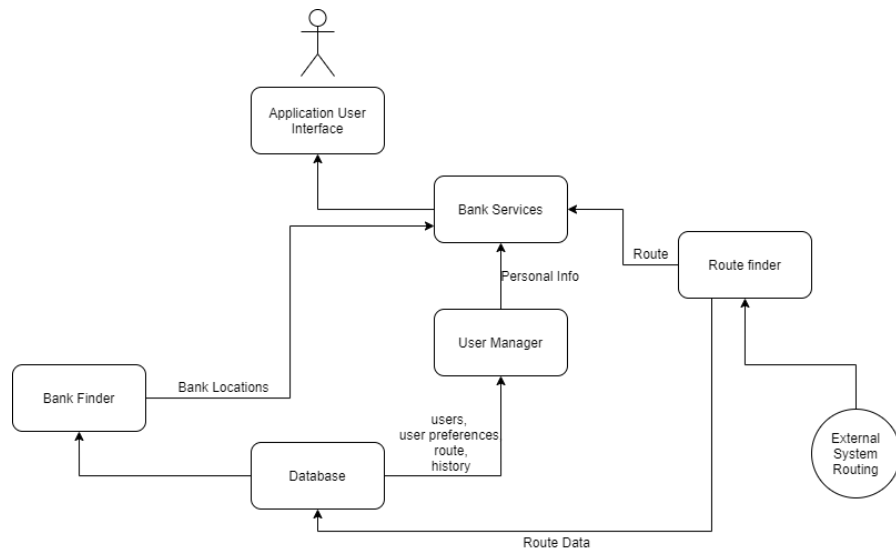


Architectural Views

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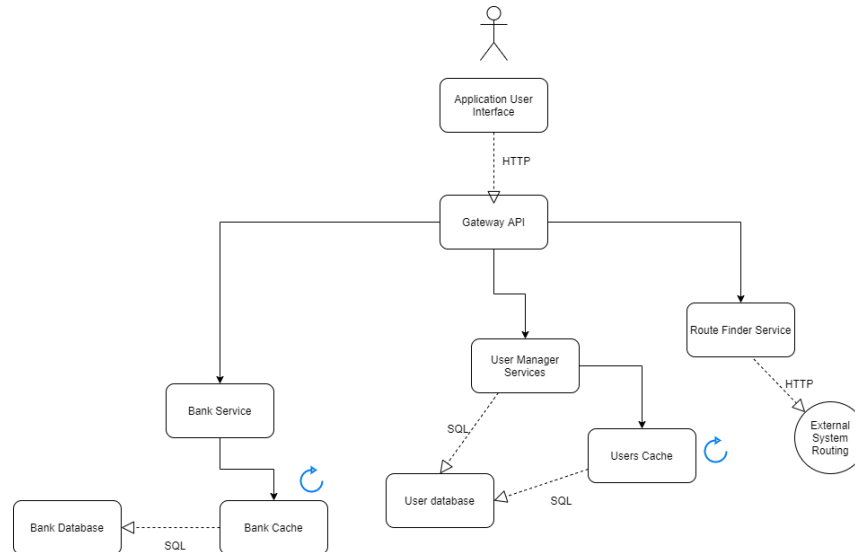
1. Conceptual view of the architecture



With the diagram above we show the interaction between the components in our system together with interactions between them.

The task that our system fulfills is solely based on user input, after the application detects the user input it communicates with the database to fetch and provide the needed information. The user can access the web page using any web browser, after accessing the web application then he can enter the information he desires to see i.e the locations of the nearest banks.

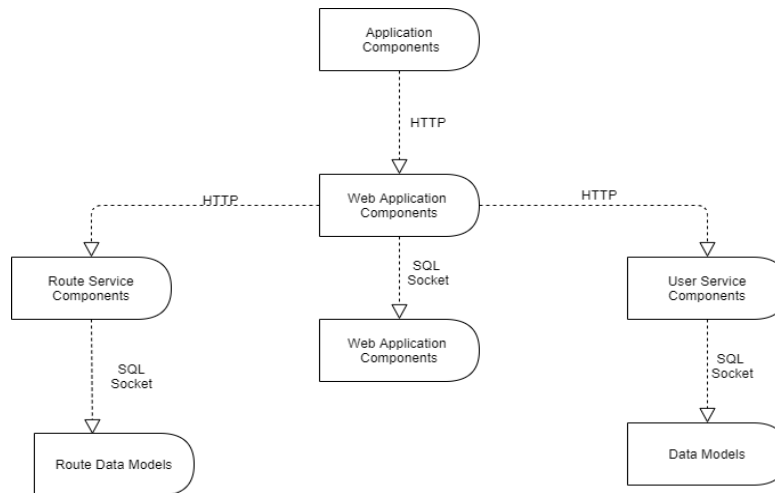
2. Execution view of the architecture



The model of the execution architecture provides a view of the architecture at the moment it executes a given task. This type of architecture's focus is on showing all of the subsystems, processes and hardware elements that exist in the system.

It's mainly important for concurrent systems, i.e systems that only execute one job. In the model above we see that the connectors (the arrows) initiate calls from one component to another component, which enables the application to be synchronized .

3. Implementation view of the architecture



This type of architecture is mainly focused on the building stage of the architecture, specifically which technological elements are needed for the system to be fully operational. It shows the tasks that are not executed but are key for the system to exist, and it's quality attributes (reliability, reusability, configurability, sustainability etc...).

The components and the connectors in this type of architecture define the elements on the source code level.

For this architecture to be implemented, many models are required to describe the concurrent subsystems and the processes from the aforementioned execution view.

We are here to turn our idea into a reality, to make a functioning and stable web application which functions together with a database which contains all of the desired information for the user together with all of the other core functionalities which were mentioned in the SRS document, functionalities which guarantee an amazing and simple user experience.