WIKIMAP
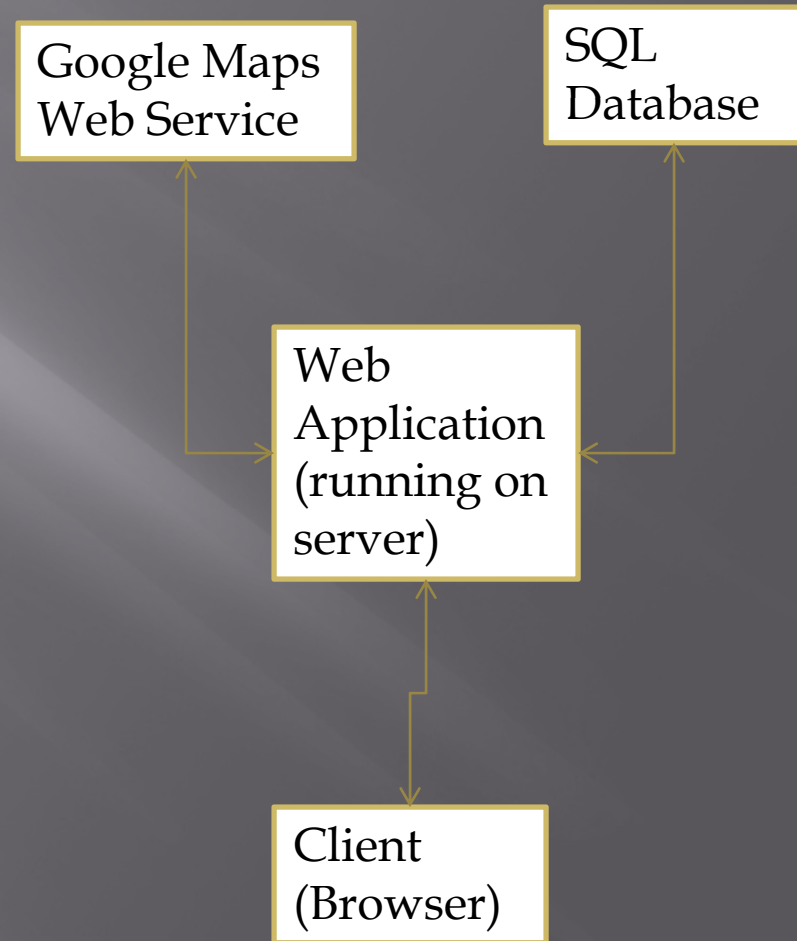
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Operational Concepts

- Map web application that uses user submitted routes when computing routes
- Users submit routes each associated with time of day and time it takes to traverse.
- When searching for route, application will select the route that is closest to request both in time of day and time to traverse
- Allow users to edit each other's route entries

Software Architecture

- SQL database used to keep track of user account information and user submitted routes

- Google Maps API to display map in web application using JavaScript

Google Maps Web Service	SQL Database

Web Application (running on server)

Client (Browser)

Challenges and Risks

- Largest Development Risk: Dependent on Google maps service, may lead to integration issues, and will require maintenance to guarantee compatibility with future versions of Google maps.

- Highly dependent on community participation

- Searches may take longer because there will be more data to sort through.

- Wikimap will compete with widely used services like LiveMaps and MapQuest, so there may not be sufficient consumer demand.