Location Search

Team 2

Presentation 3/4/2020

Team Members

Yuntian Zhang   Hanning Chen   Ben Remer   Kyle Rabinowitz

Communication through GroupMe and after-class meetings

Three offline meetings & two online meetings to discuss the project

Github repository to share files

Background & Introduction

Problem

A user is going somewhere and wants to know what is nearby.

Solution

Provide a location search system.

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Software Development Methodology

Waterfall
    Project goal is simple and straightforward
    All risk is assessed during planning process
    Deadline is close! No time for too much iteration

TimeLine

Task Name	Jan 20	Jan 27	Feb 3	Feb 10	Feb 19	Feb 24	Feb 26	March 4
Planing Document	▓							
Learn Requirements		▓	▓					
Design Application				▓	▓	▓		
Home Page and Login				▓	▓			
Database Connection					▓			
Backend Integration						▓		
Testing							▓	
Present								▓

Testing

JUnit

GUI Testing

Database Connectivity

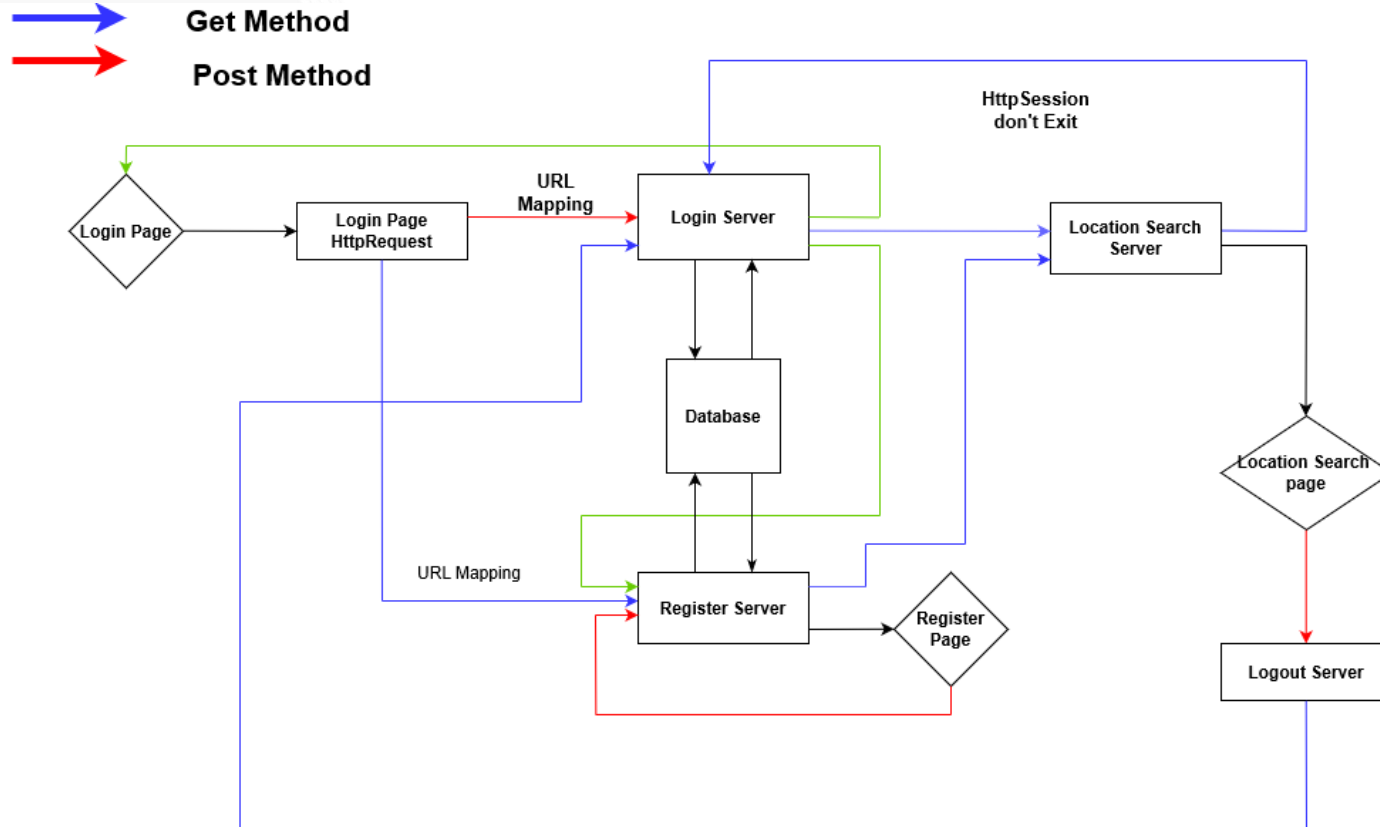# Back-end Implement

Technique Stack:

Spring Boot/Spring MVC

SQLite Database

Base64 API with Randomly Generated Salt (*Password Encryption*)

Google App Engine

Maven

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Back-end Implement

Demo

Conclusion

Connected the back-end to the database, allow user registration and login

User-friendly web page design on user management (pop-out alert window)

Implemented Mapbox API, allow user to select origin point from map instead of input the latitude/longitude manually

Filter the result based on the input information

Future work

Implement the user-search-history function

Implement category search function (needs specific API)

Artificial sorting on results (based on user-search-history function/category)

Allow for saving favorite places

Docker-ize our apps

Deploy our apps on Google Cloud or AWS

Contact Information

Ben Rember: bremer@gatech.edu

Hanning Chen: hanningchen97@gatech.edu

Kyle Rabinowtiz: krabinowitz3@gatech.edu

Yuntian Zhang: Yuntian.Zhang@gatech.edu