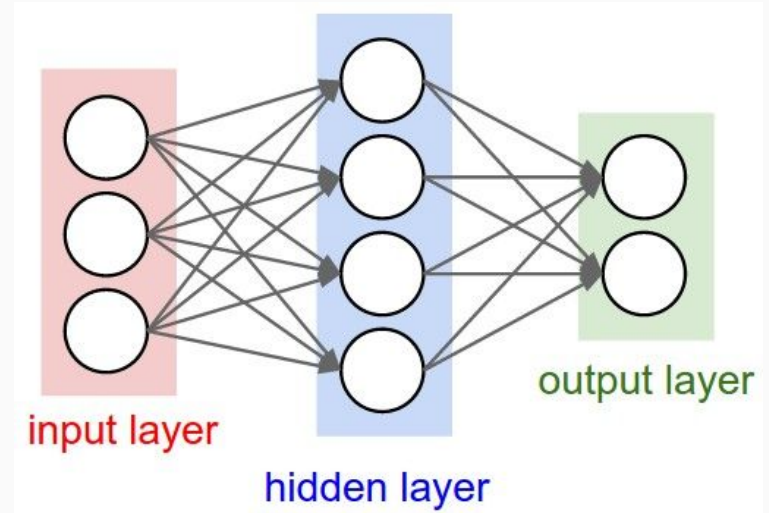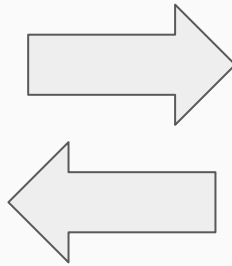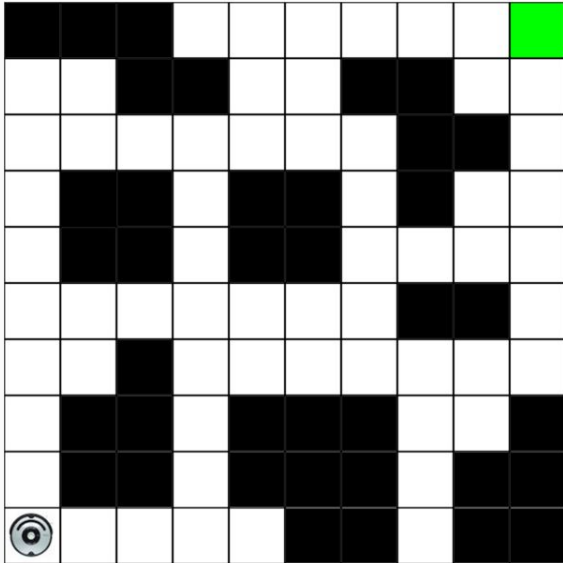# CSCI5448 RobotPathLearning Team13

Bo Cao
Fernando Nobre
Zhongzhi Zhang

Robot Path Learning?

Use Cases

User Case ID:

UR-008

User Case Name:

Replay the path

Description:

User can let the robot move along a previously created path.

Use Cases

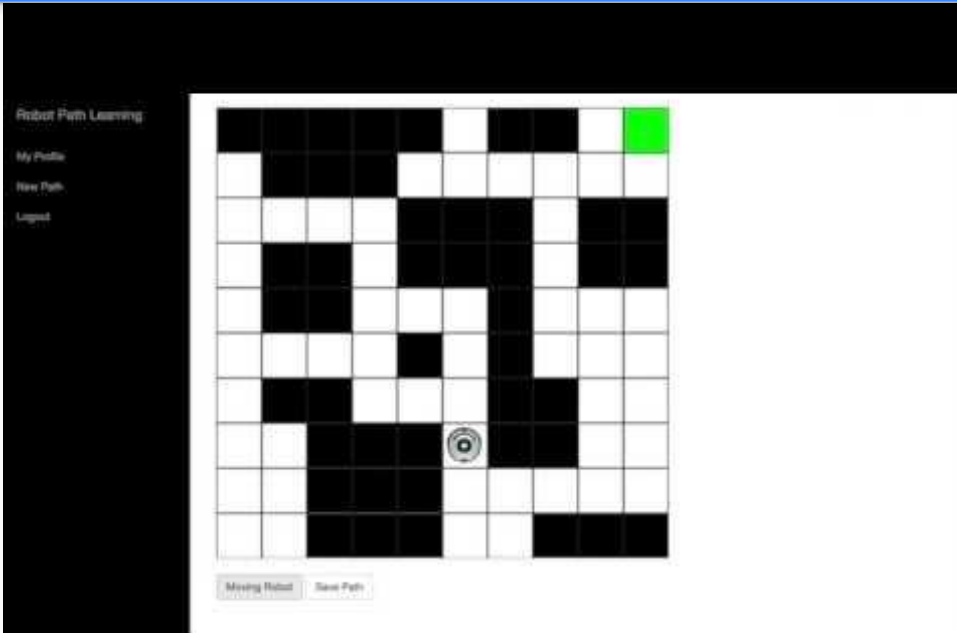**User Case ID:**

UR-010

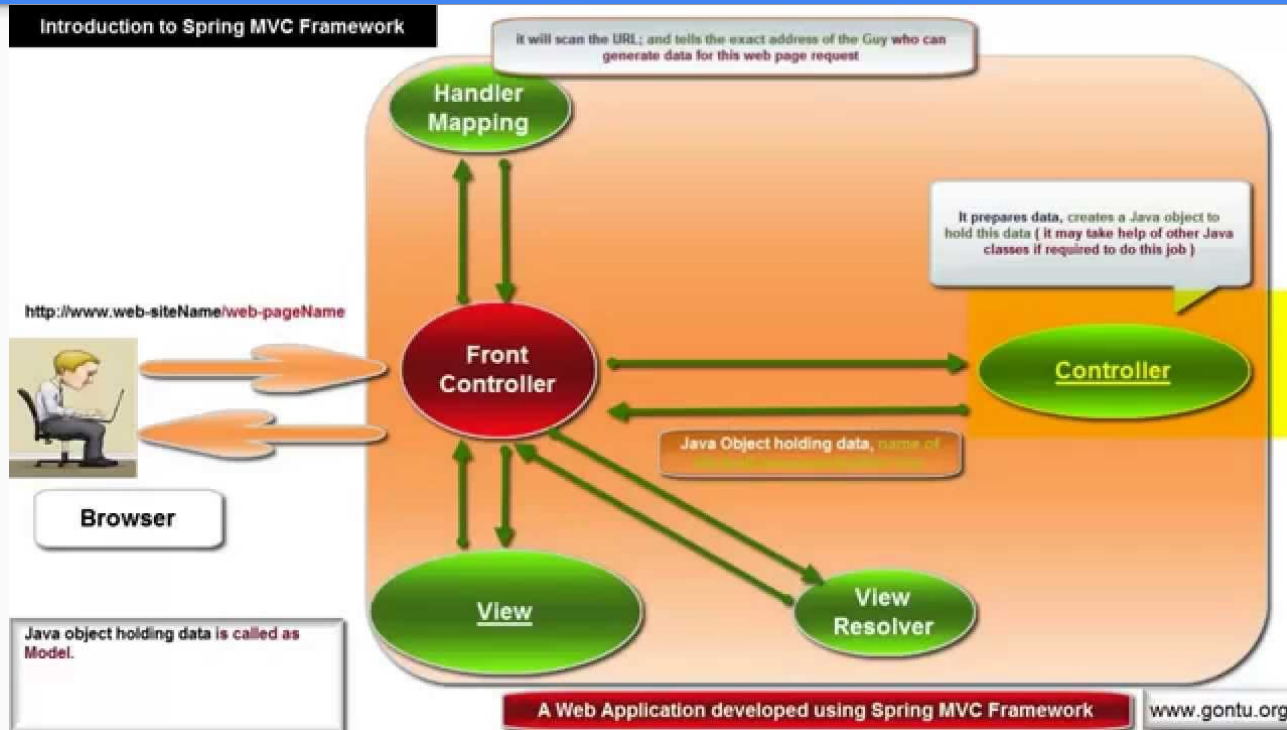**User Case Name:**

Add obstacle to map

Description:

A User can add an obstacle to the map by clicking on the map.

System Demo

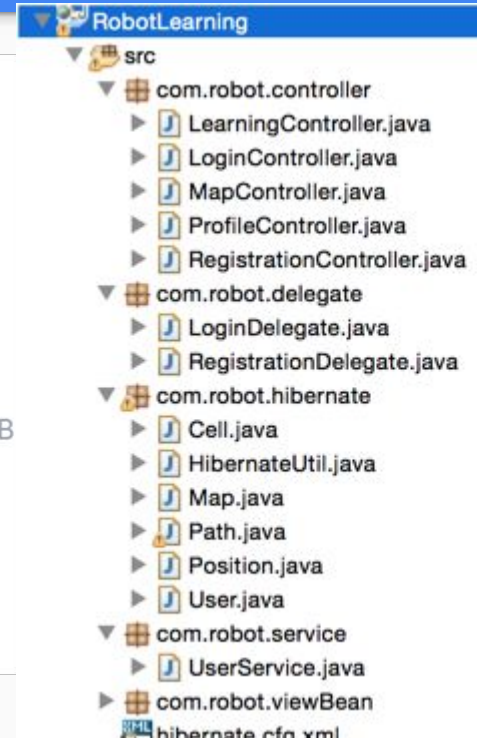# Architecture

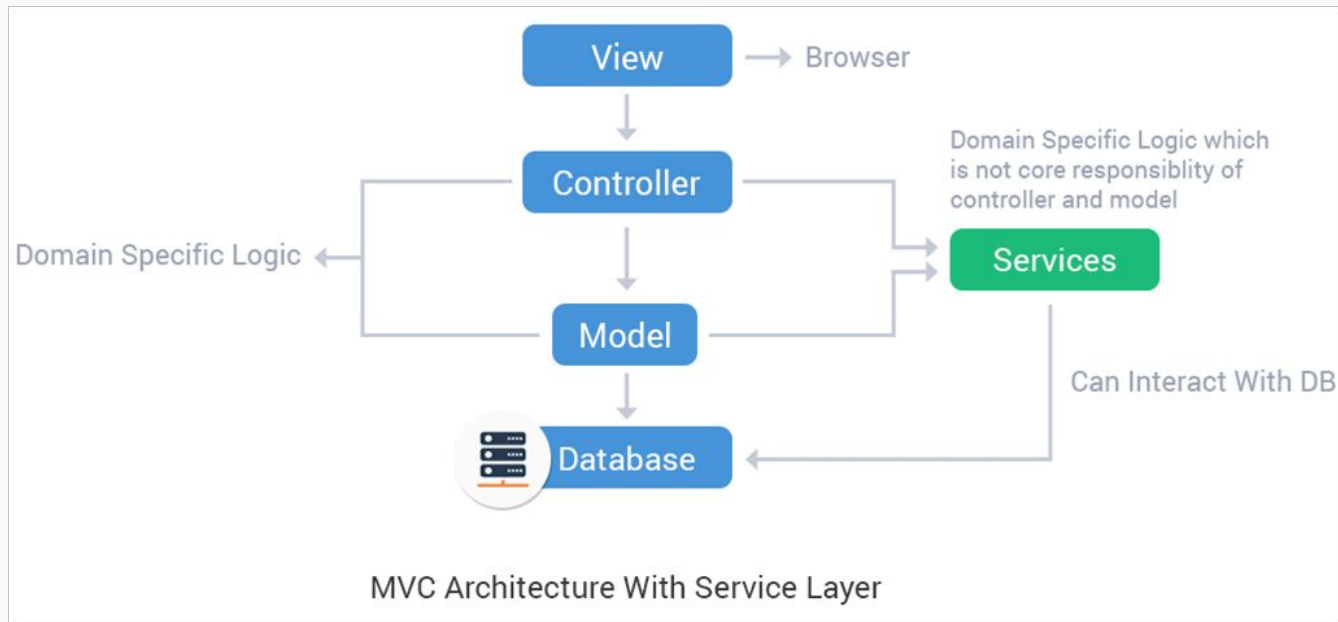# Architecture/Frameworks

- Spring MVC
- Tomcat
- Hibernate/MySQL
- SiteMesh
- jQuery
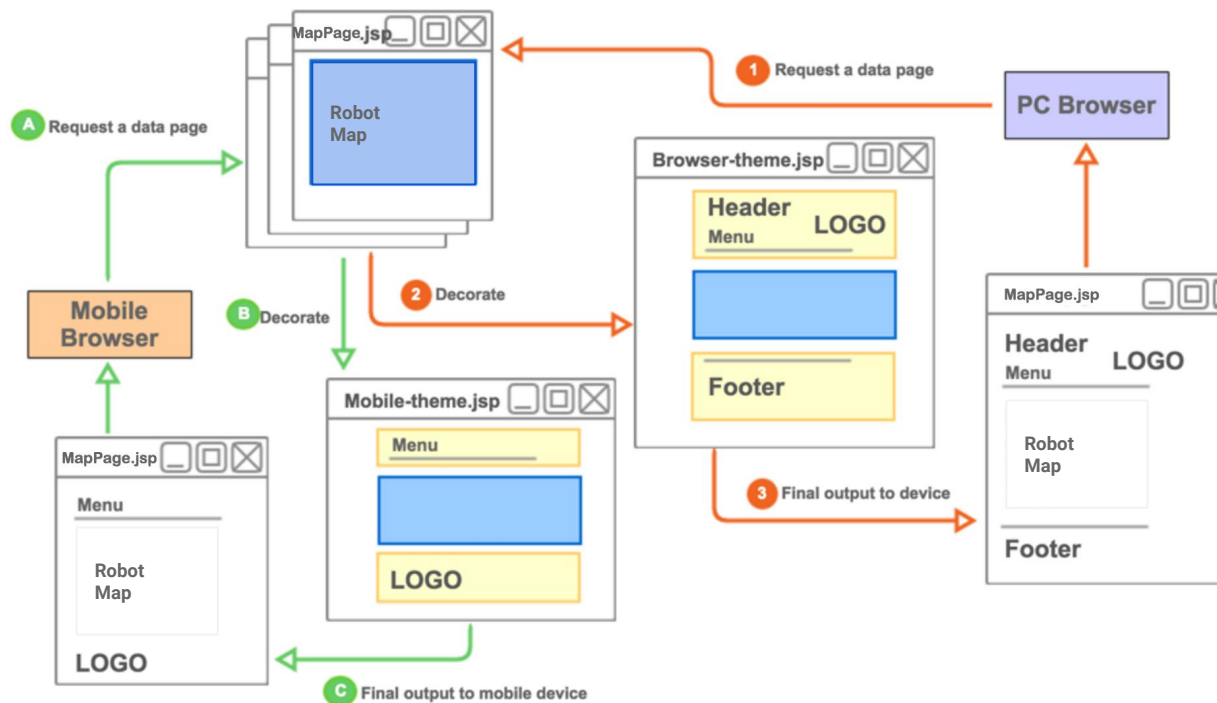- Bootstrap

Design Patterns

- Dependency Injection
- Service Layer
  - Decoupling and maintainability
  - Writing a web API is easy
  - Controller has no business logic
  - Unit tests are easy
- Decorator
- Observer

Service Layer

MVC Architecture With Service Layer

Decorator

Demo Video

Github:

https://github.com/BryanBo-Cao/CSCI5448-RobotPathLearning-Team13/blob/master/RobotPathLearning_Video.mp4

Youtube:

https://youtu.be/3LMuFmSQeUo