

# Where Would You Sit?

## Software Design

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# Problem Definition

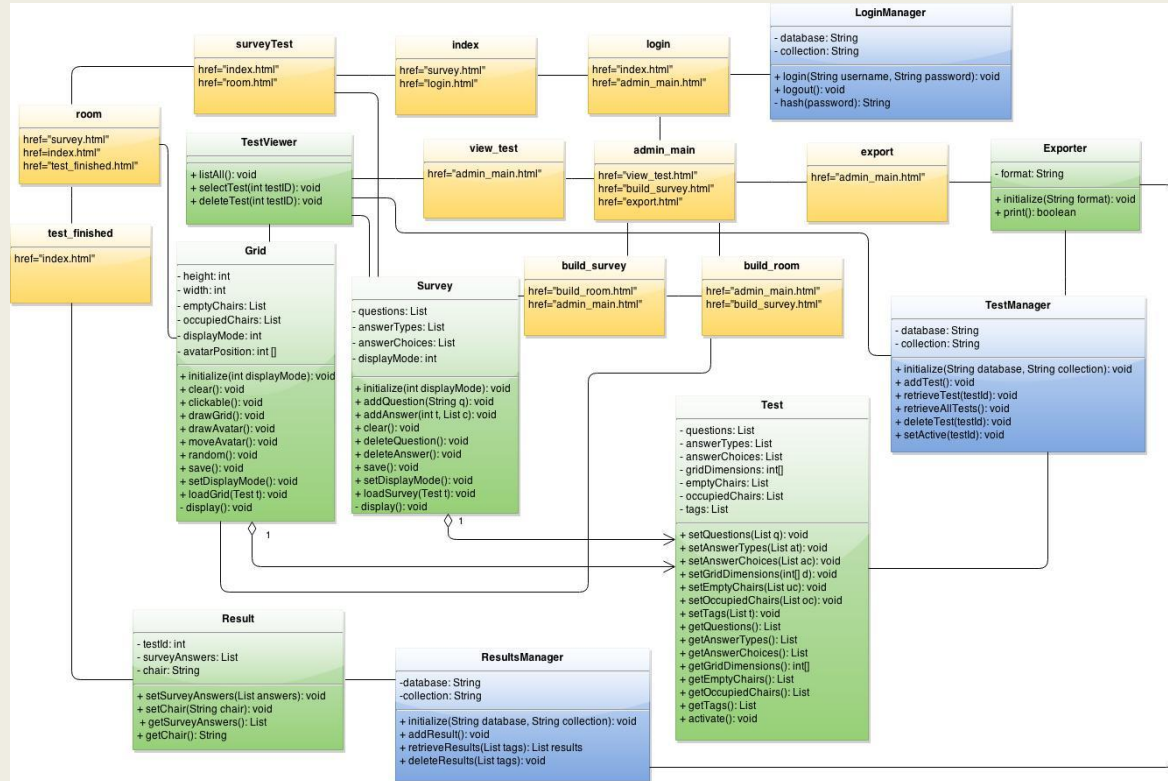
Dr. Jason Scofield requires an application that will:

- allow researchers to configure experiment, including virtual room and survey questions
- allow experiment subjects to take survey and select seat in virtual room

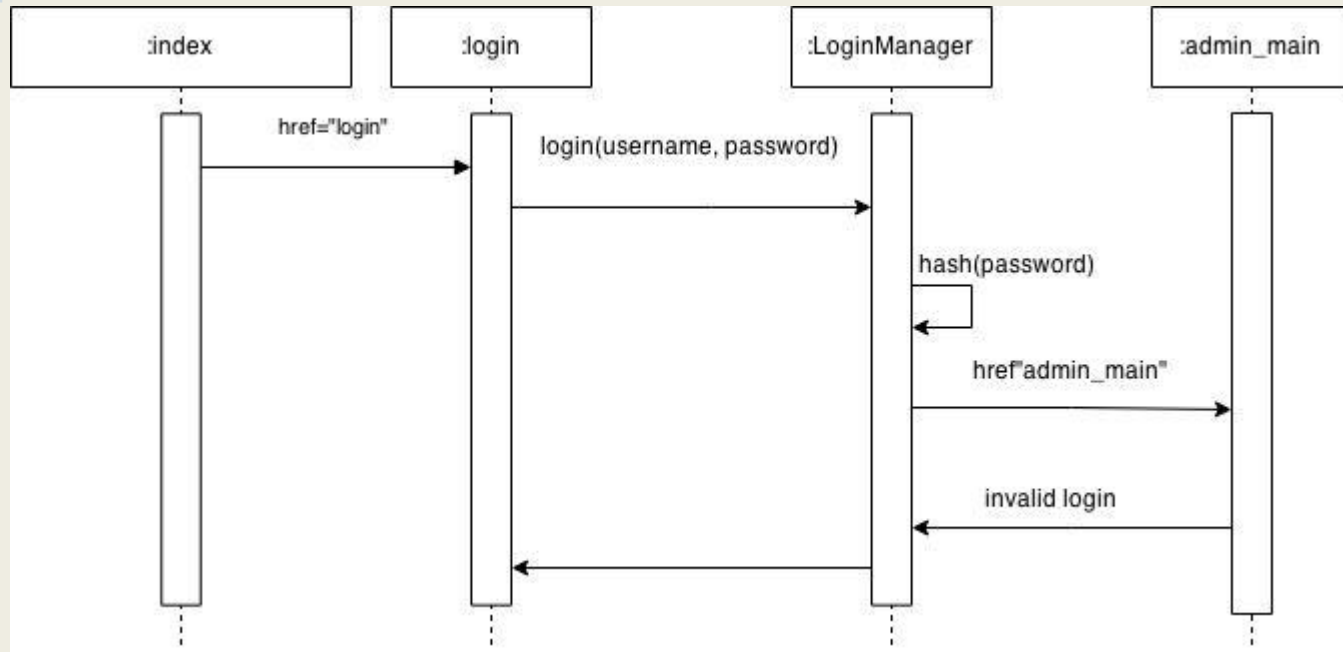
# Scope of System

The system to be built in this project will comprise of a mobile app and web application that perform identical functionality, along with a way to download data generated by experimental sessions for analysis.

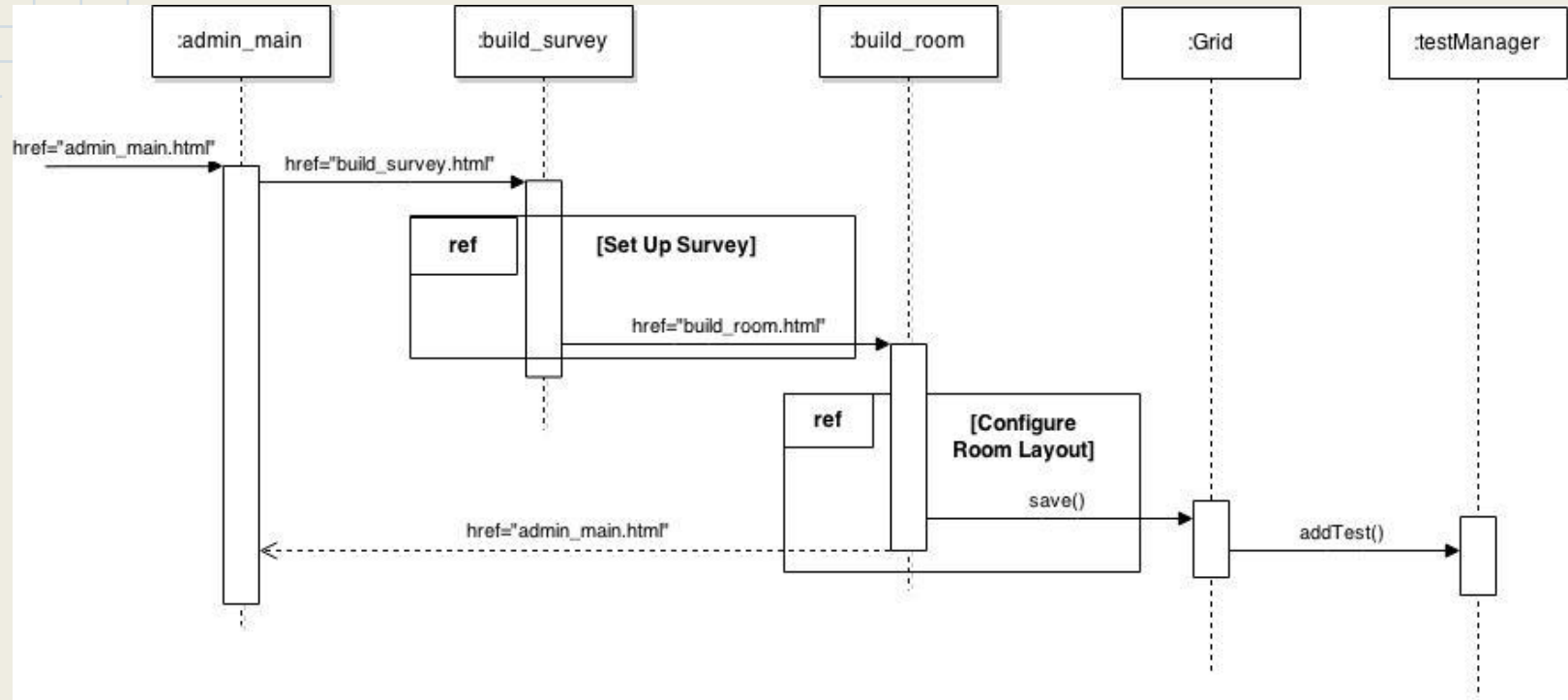
# Class Diagram



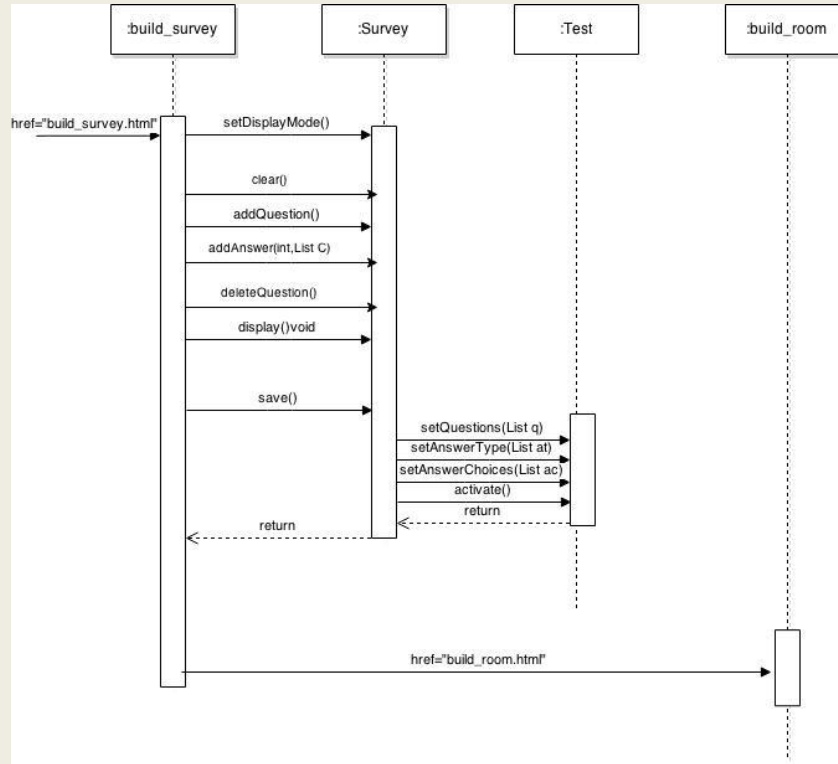
# Login



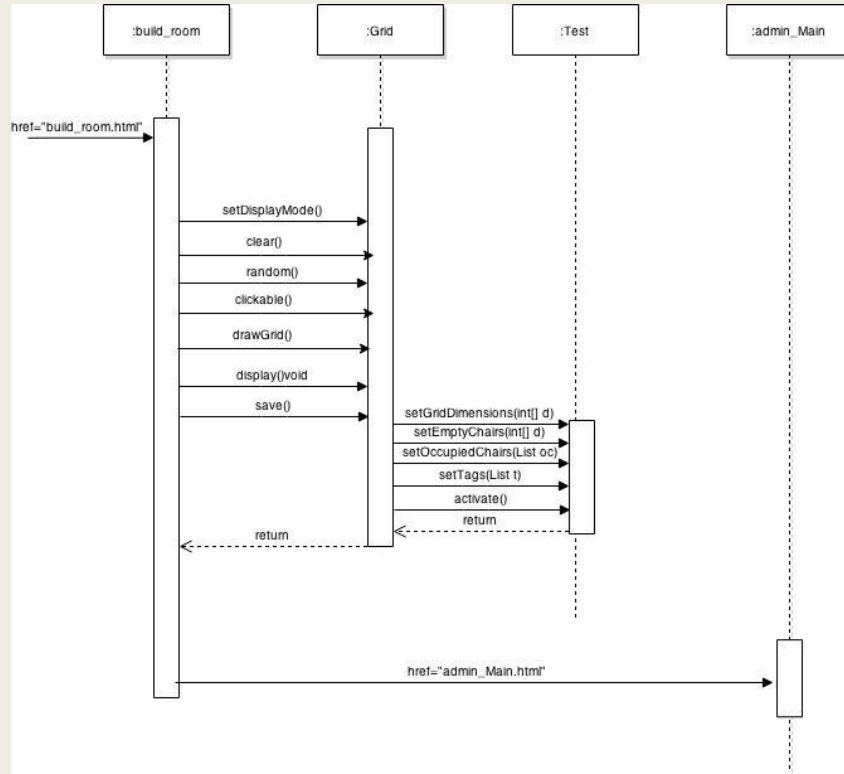
# Create New Test



# Set Up Survey

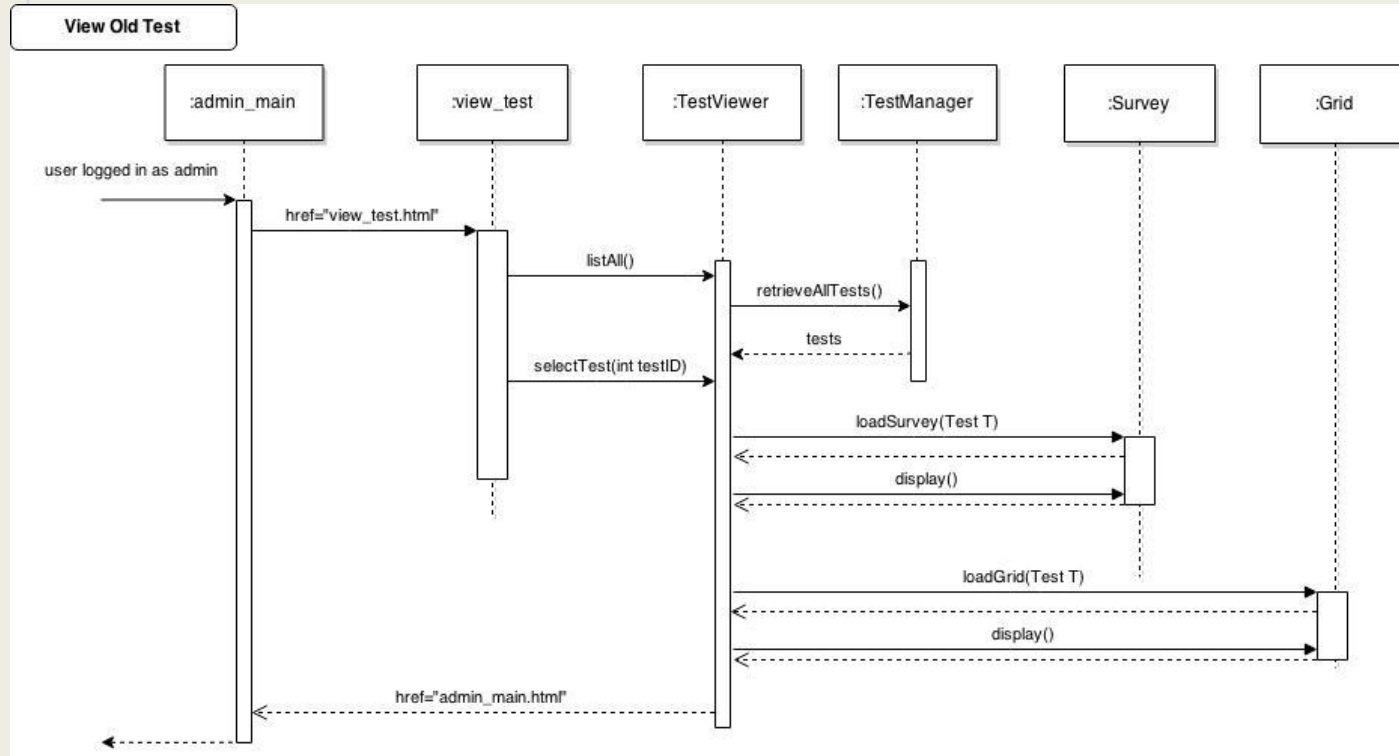


# Configure Room Layout

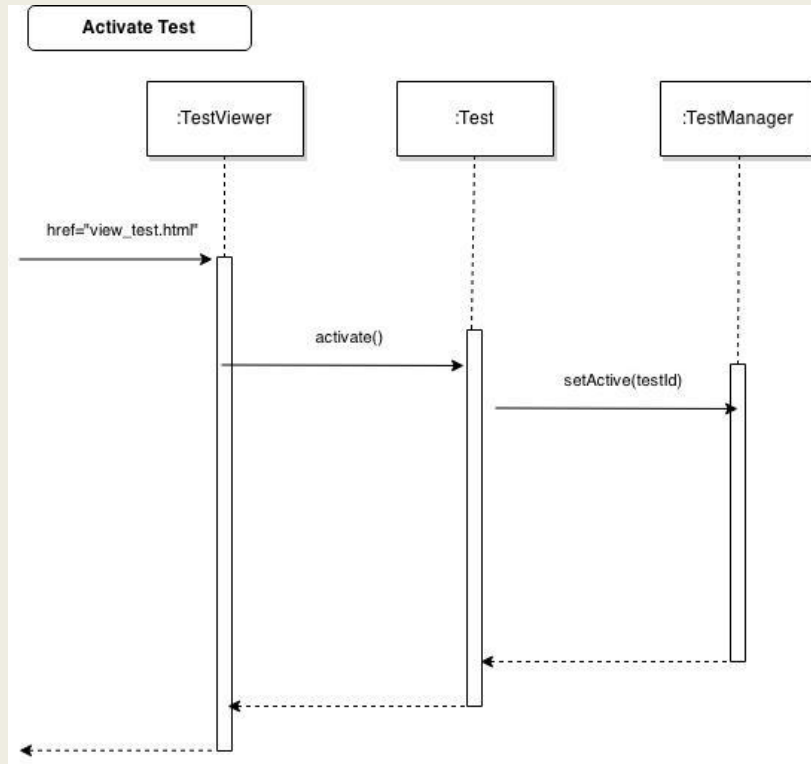




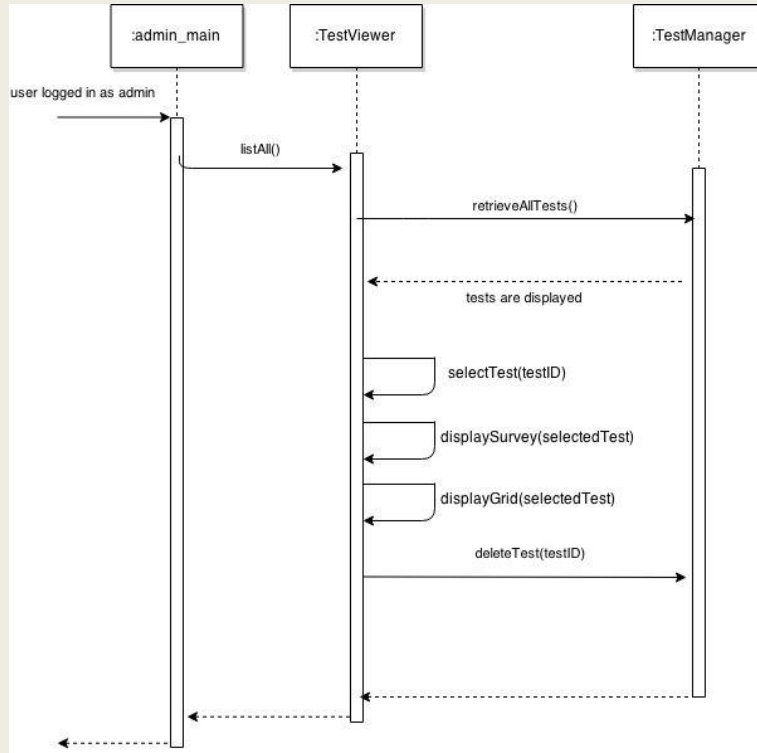
# View Old Test



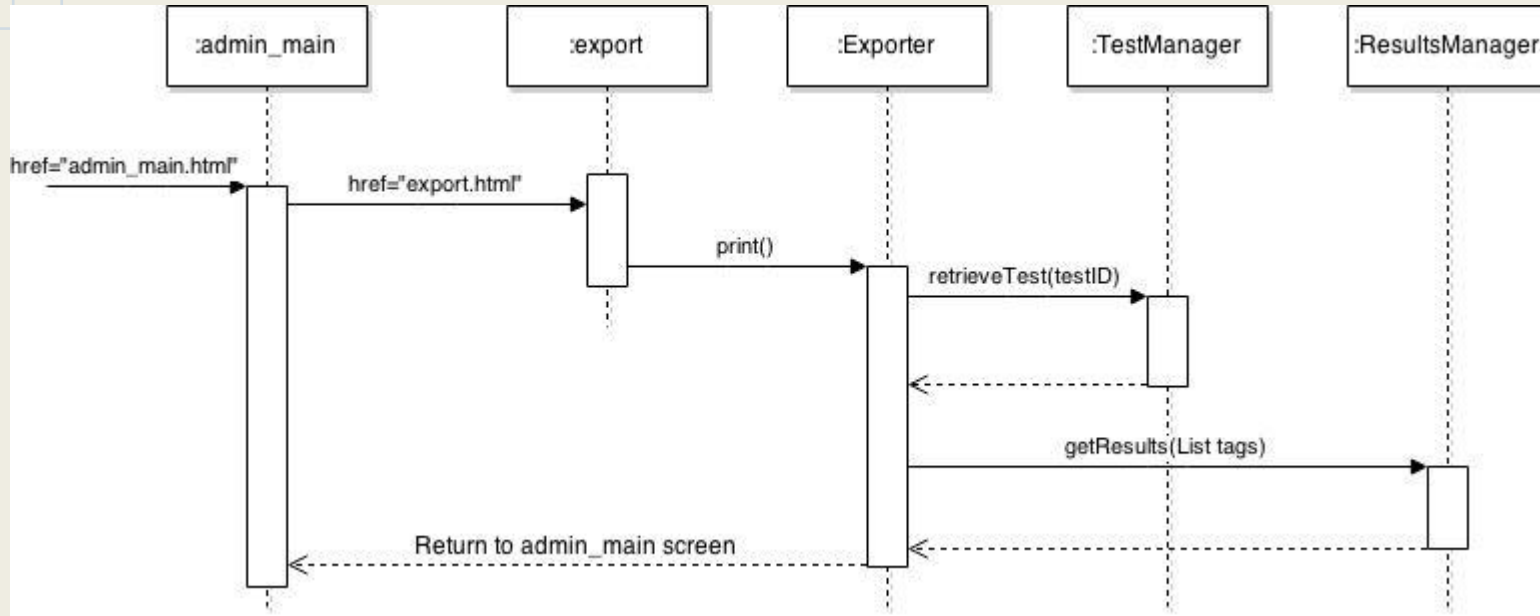
# Activate Test



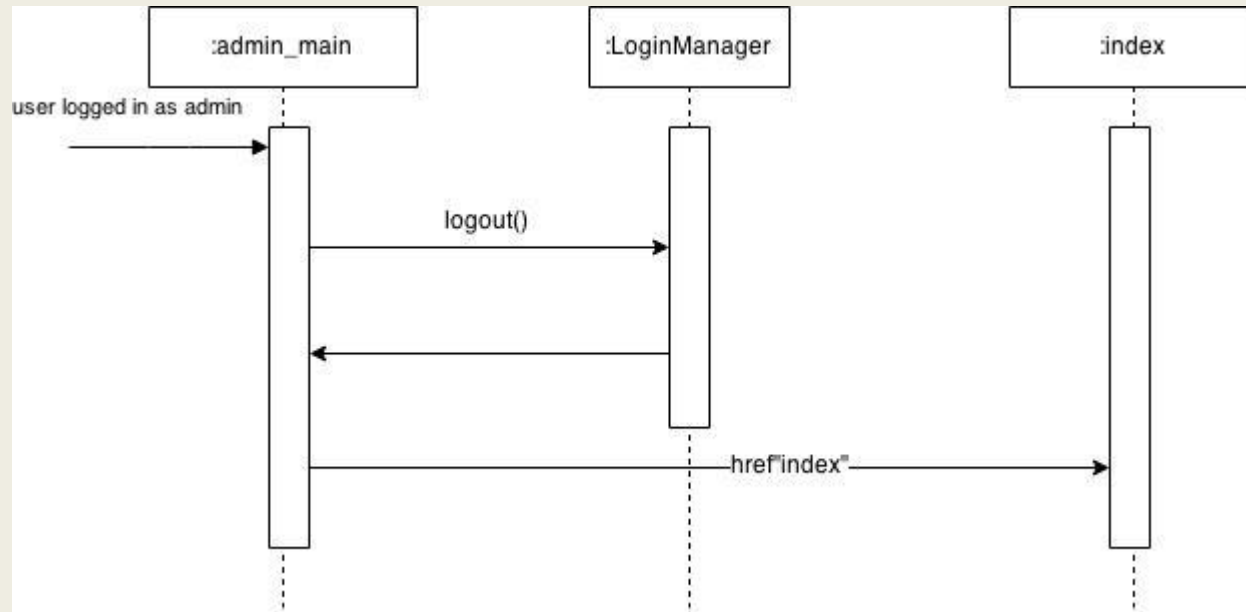
# Delete Old Test



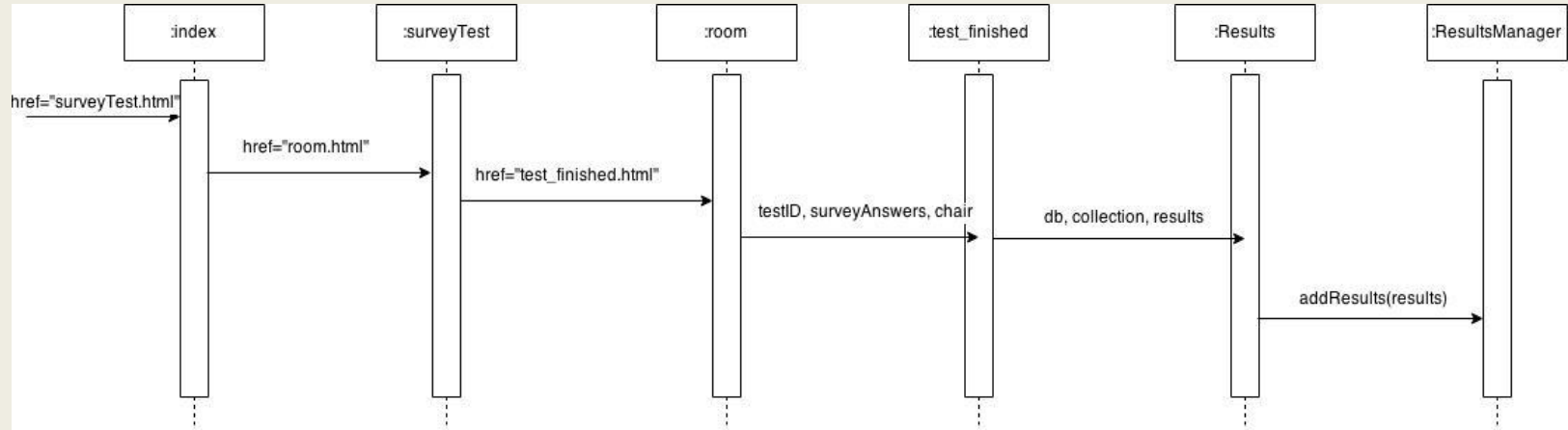
# Export Data



# Logout



# Take Test



# Project Changes

- Change in conceptualization of system
  - Instead of traditional classes, each html page is a “class”
  - Each JavaScript module is also a “class”
  - Led to significant overhaul of class diagram

# Summary

- Project is great example of toeing line between web and mobile
  - Our code will play nicely in both realms
- Using traditional object-oriented mindset when building front-end is challenging
- It appears that many researchers and research projects could benefit from custom apps such as this