

Where Would You Sit?

Software Requirements

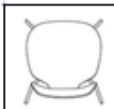
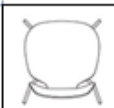
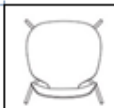
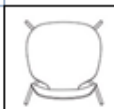
*Kelly Galuska, Brandon Laird, David Vaughn,
& Daniel Klein*

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

FRONT

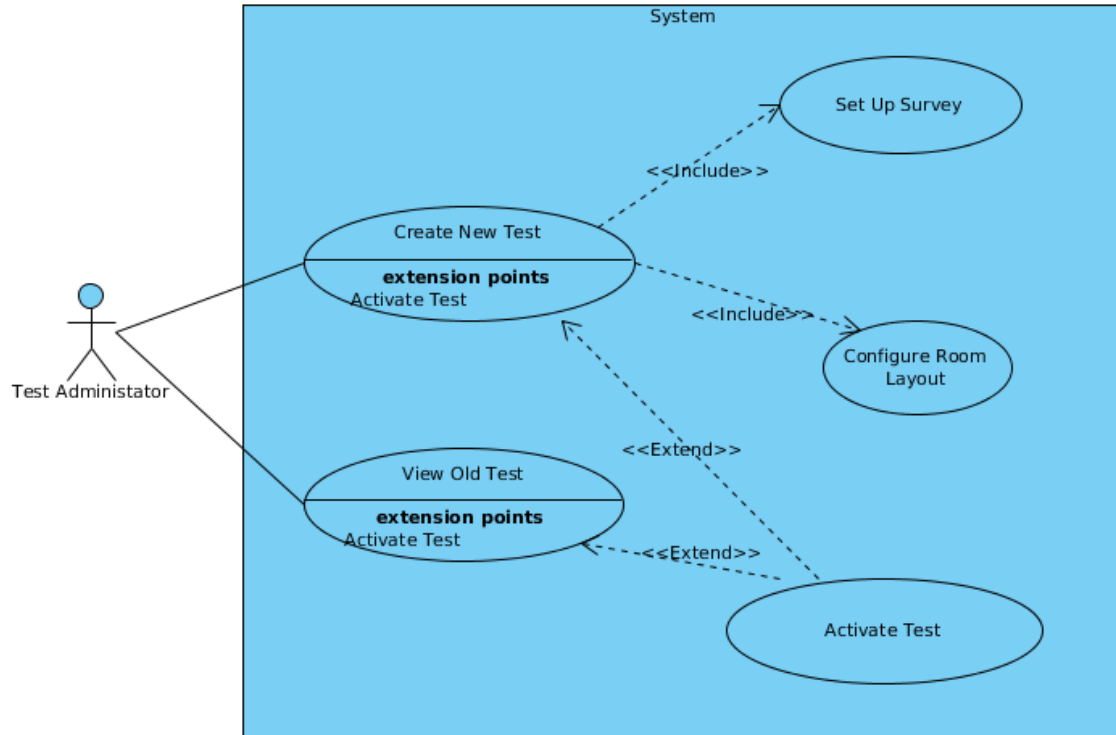


BACK
ENTRANCE

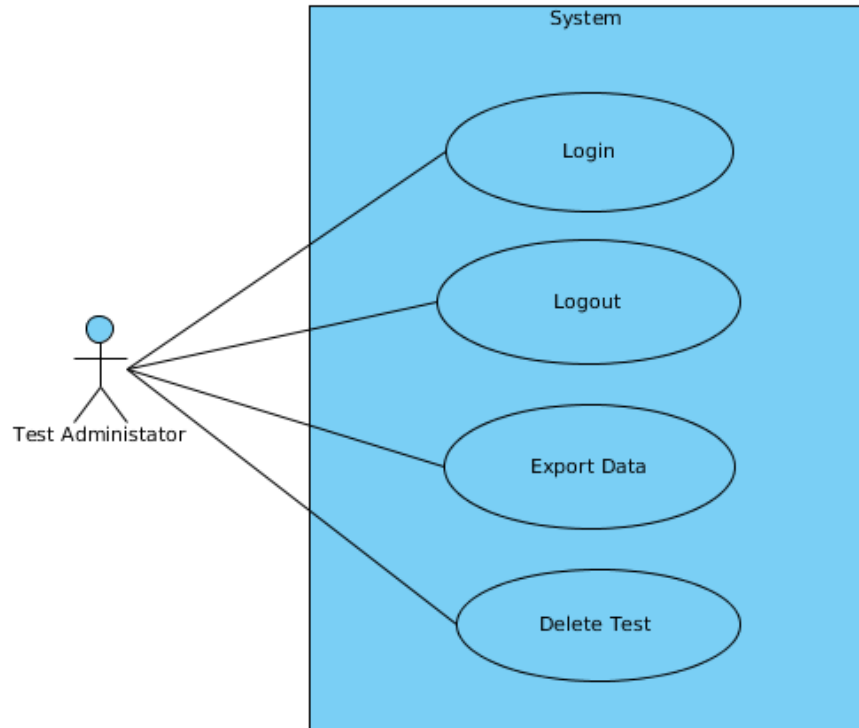
Scope of System

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.

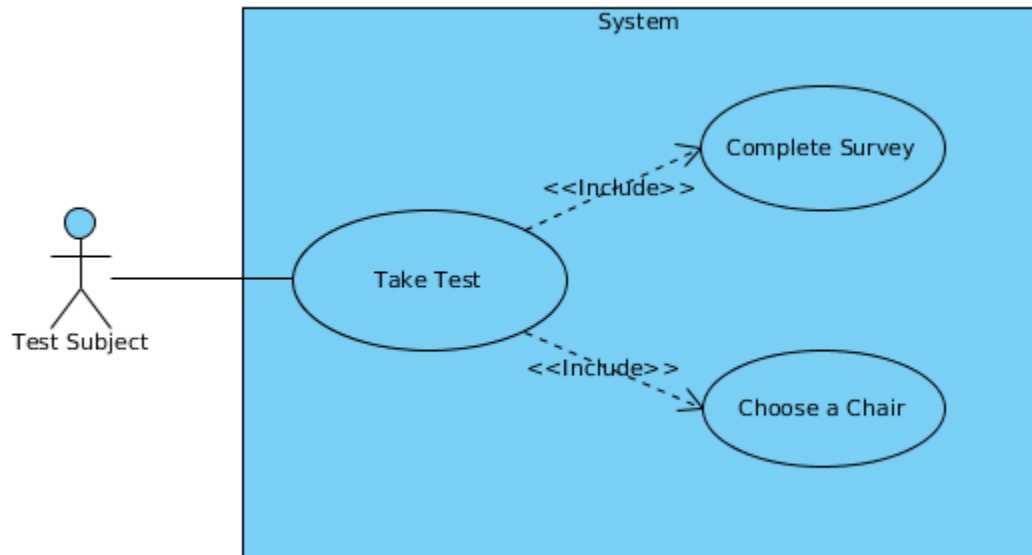
Use Cases



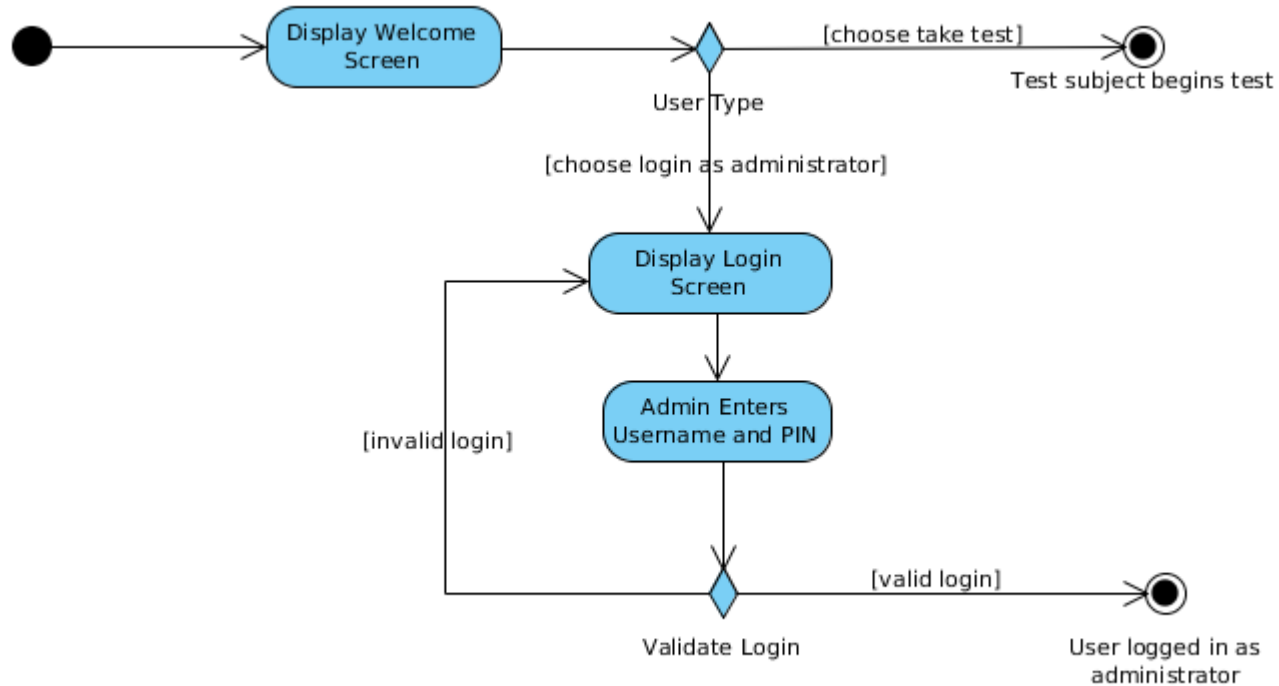
Use Cases



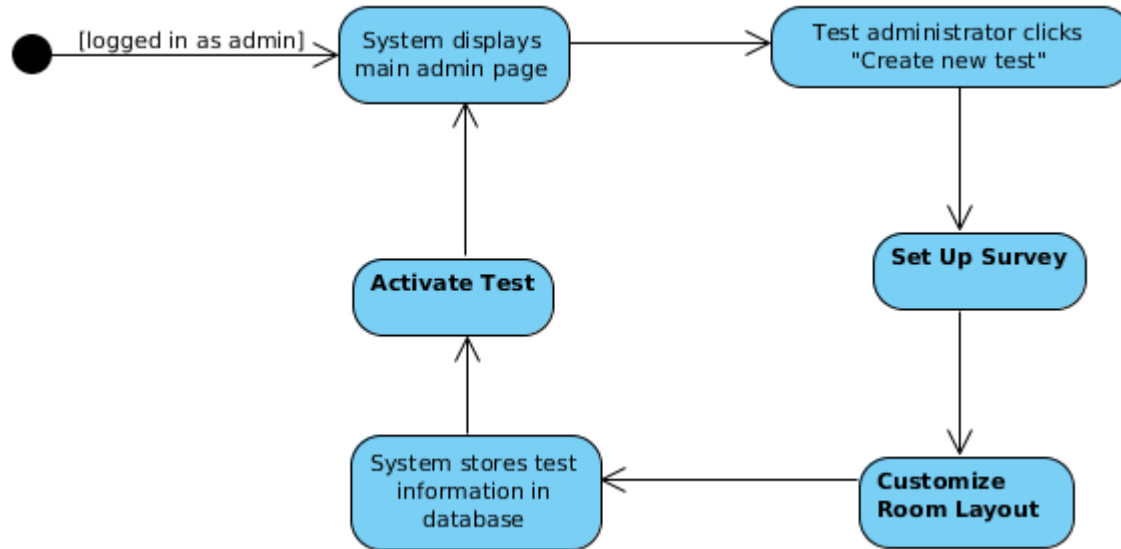
Use Cases



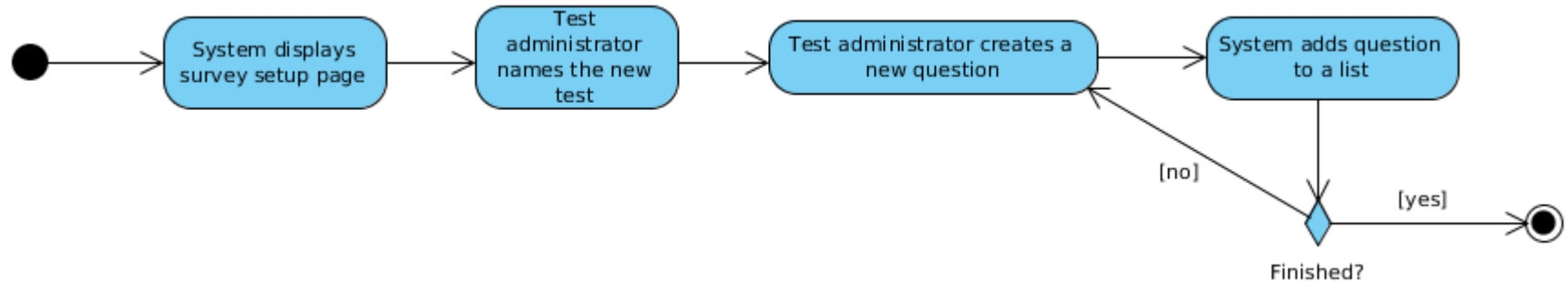
Login



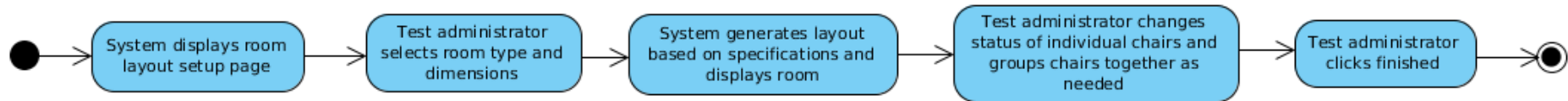
Create New Test



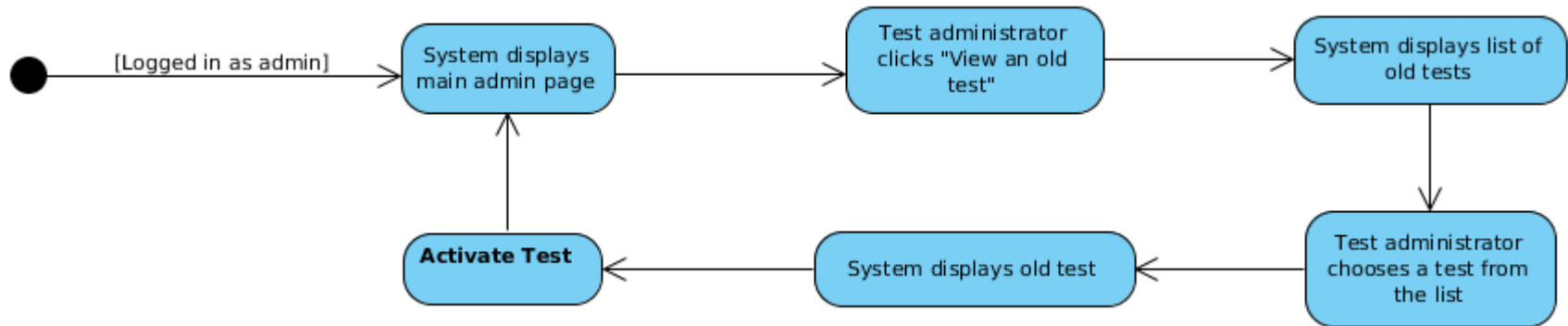
Set Up Survey



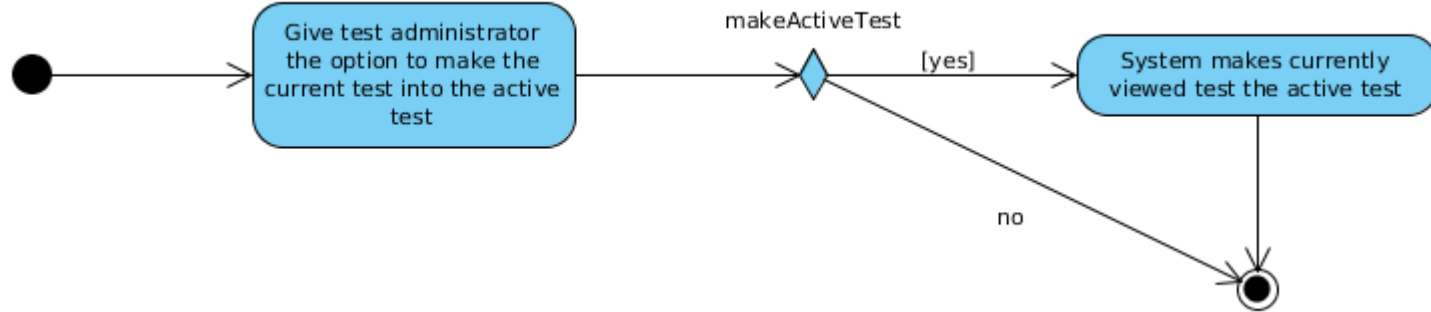
Configure Room Layout



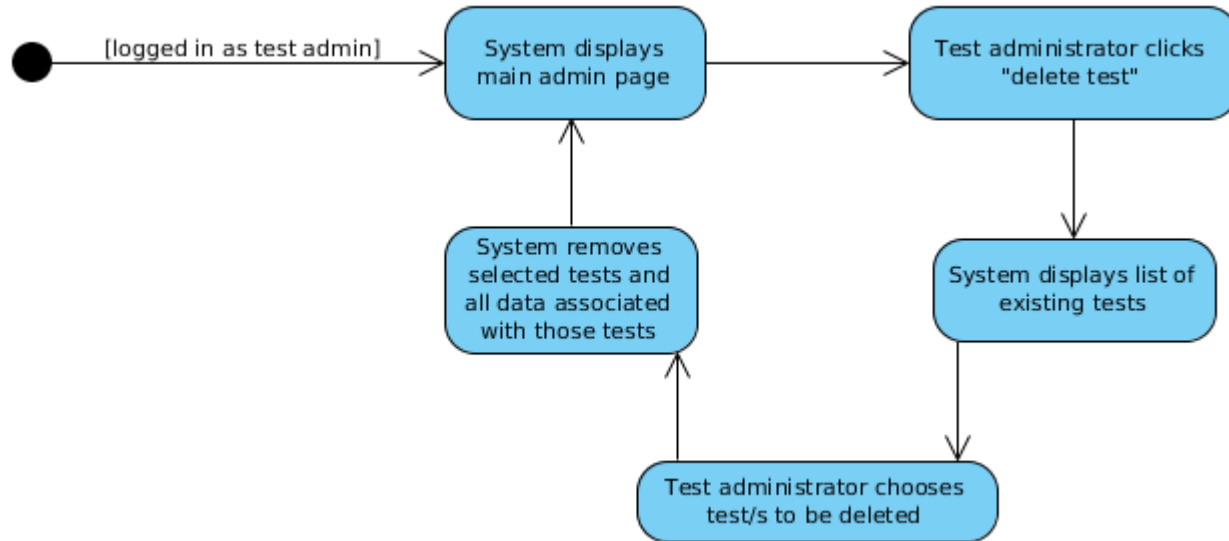
View Old Test



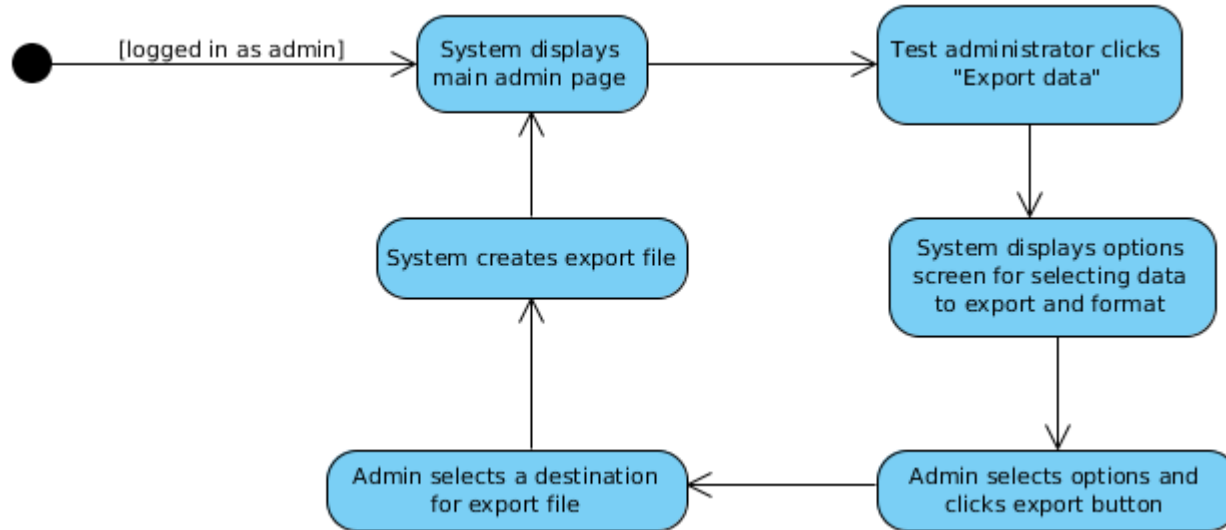
Activate Test



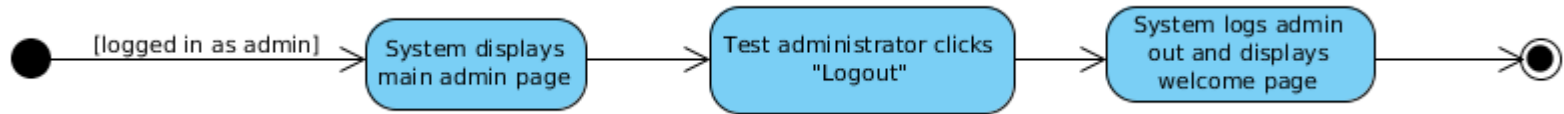
Delete Test



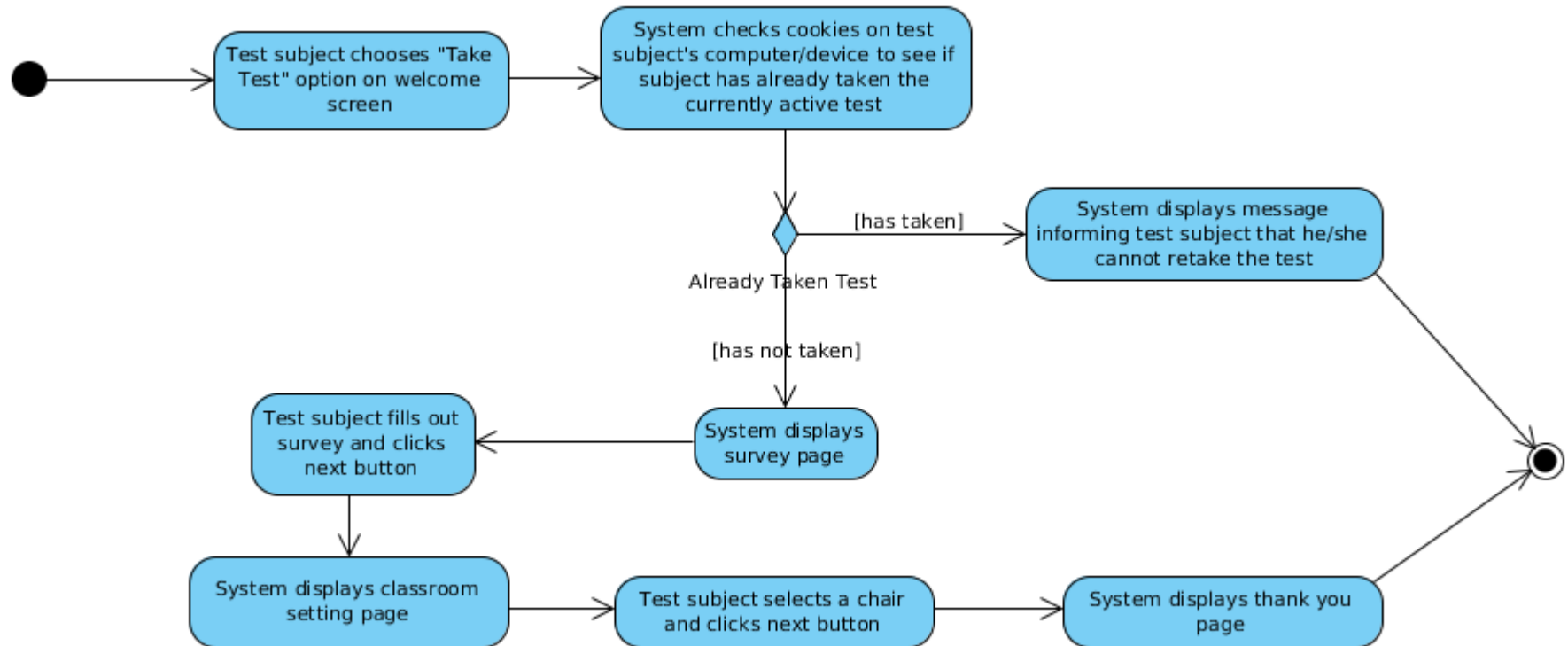
Export Data



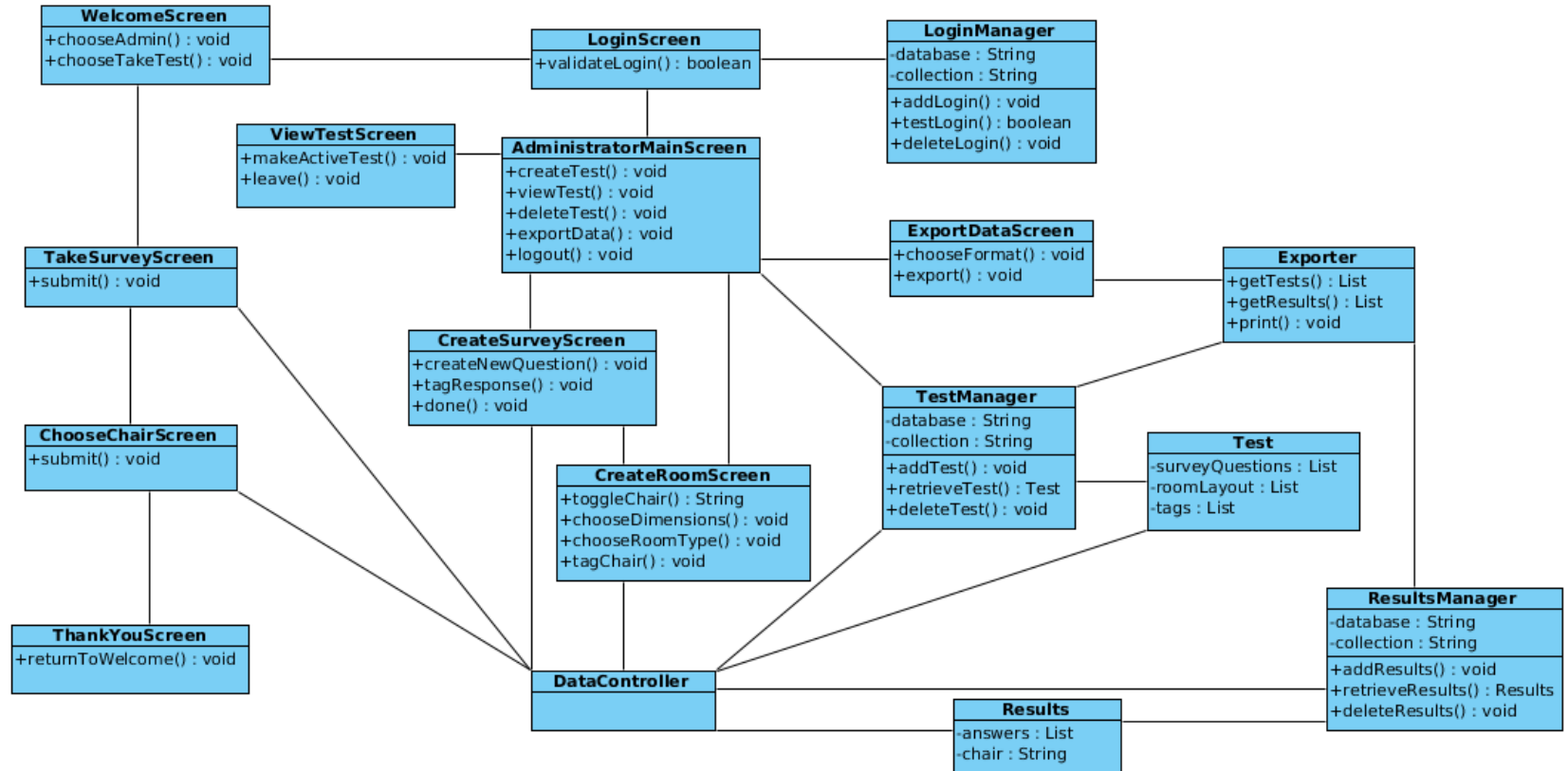
Logout



Take Test



Class Diagram



Feature Priorities

- Creating and editing questions -- required
- Configuring virtual room -- required
- Answering questions -- required
- Selecting a seat -- required
- Exporting Data -- required
- Joystick or arrows for navigating room
 - Refinement of functionality as time permits

Potential Risks

- Moving target problem
- Difficulty designing way of easily and reliably downloading data
- Difficulty building app that works equally well in browser and on mobile device

Summary

- Project provides great potential for refinement and iteration of features
- Apache Cordova enables writing one common codebase for Android and web apps
 - Allows use of various CSS and Javascript libraries

Questions?

- Any questions?