

SocialWorker: Iteration 7

Team members

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Project summary

A tool to facilitate the management of notes that frontline social workers take when meeting participants, that is the people who they help.

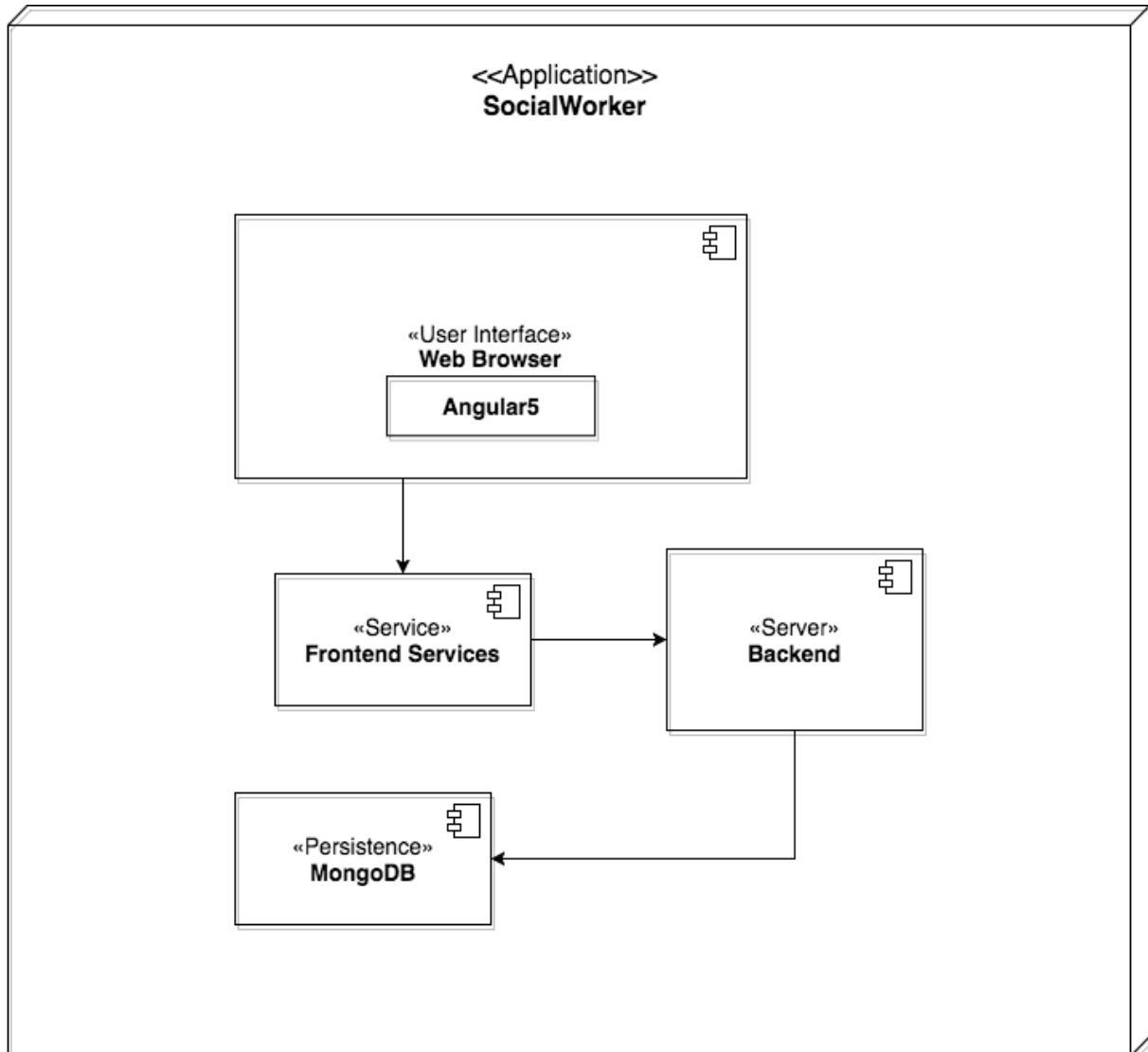
Velocity

Velocity after Iteration 7: $(13 + 15)/2 = \mathbf{14}$

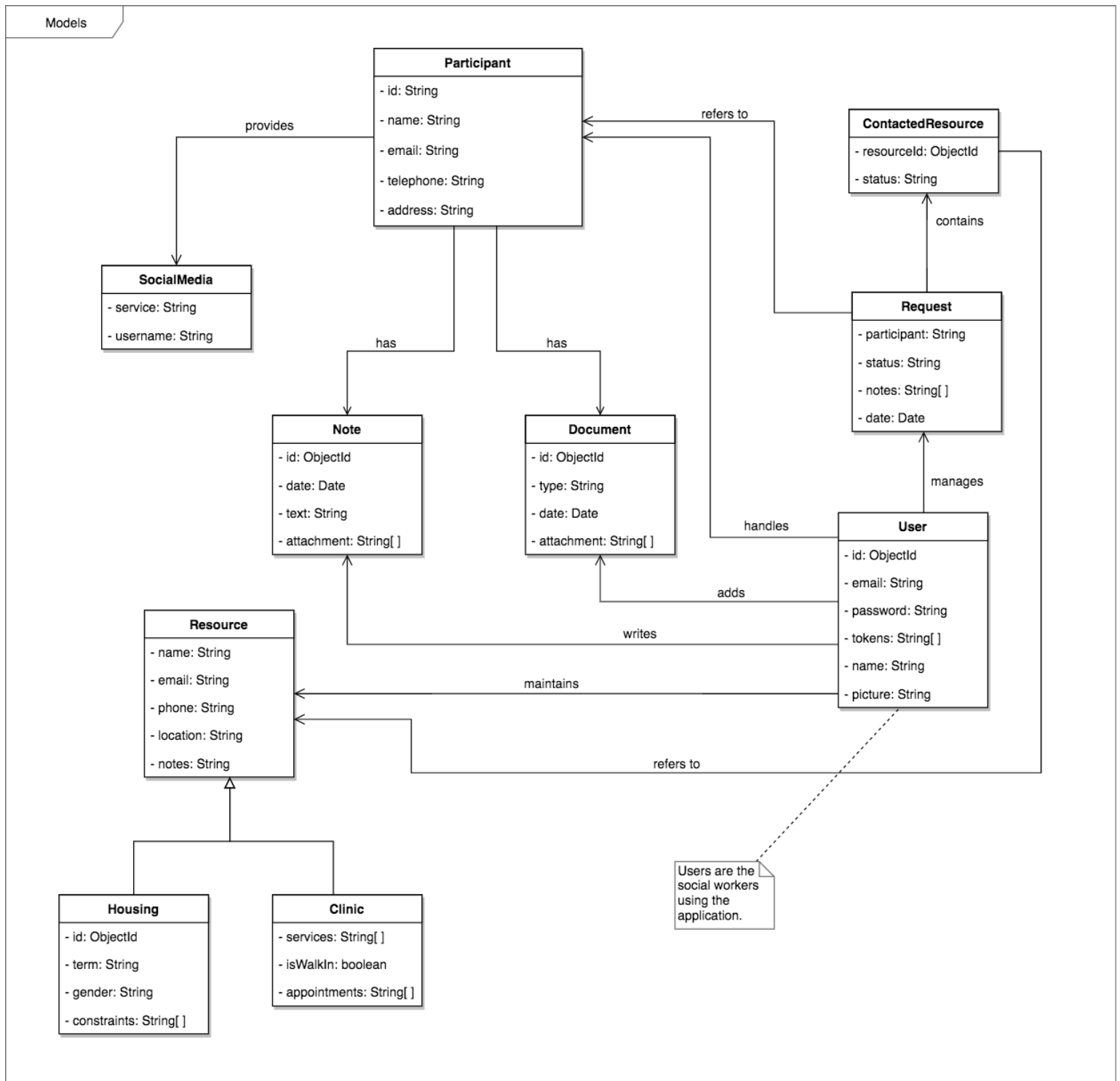
We completed five user stories for a total of 15 SP during this iteration, which is above our current velocity.

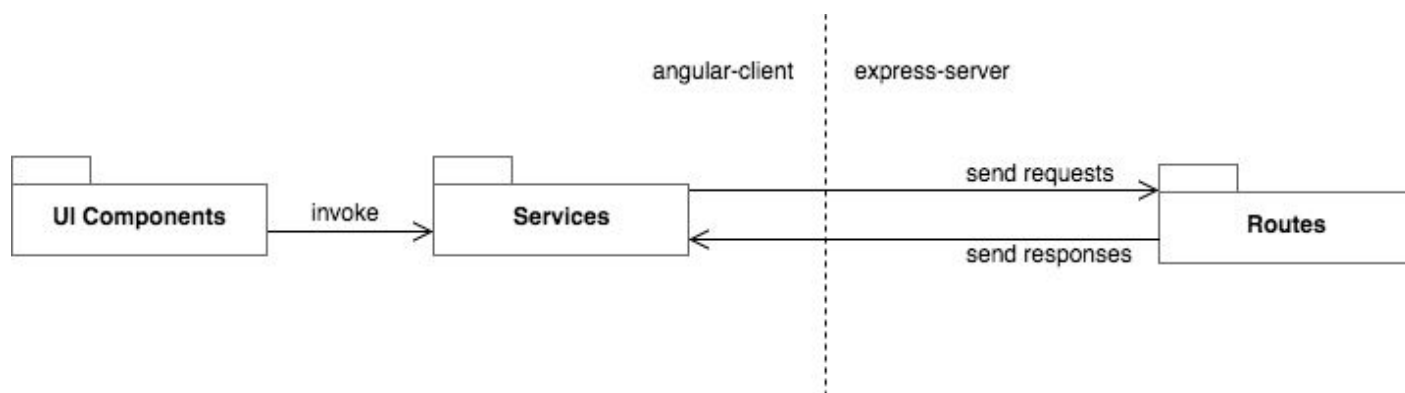
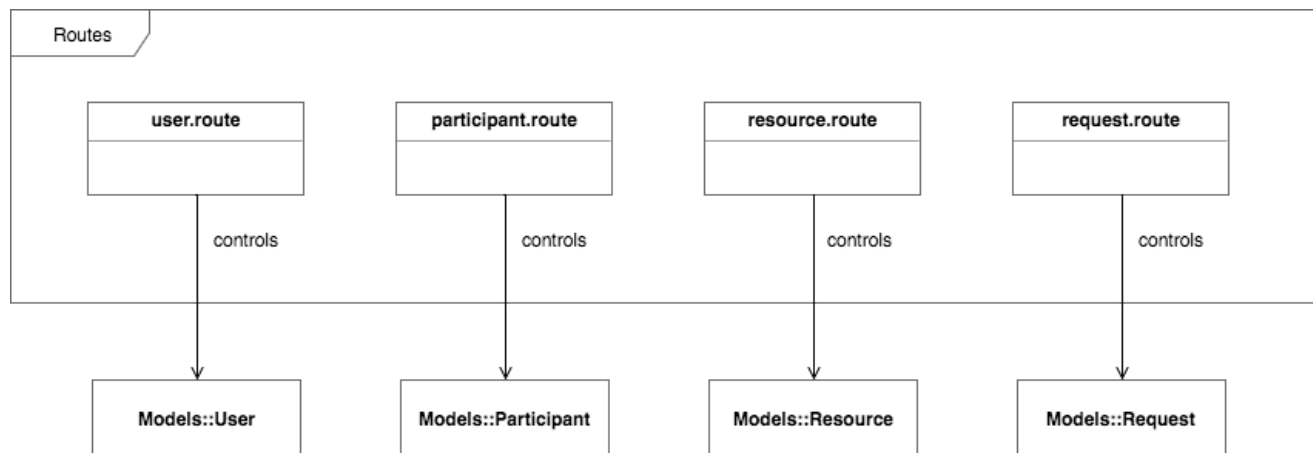
Three stories were pushed back to iteration 8.

Architecture Diagram



Class Diagram





Latest Iteration Information

Iteration 7 (15 points)

Add Housing Resources Form #3 5pt
Assign Participant to Housing Persistence #15 3pt
Participant Profile #17 1pt
Contact Housing Resources Persistence #14 3pt
Add Housing Resources Persistence #13 3pt

Next Iterations

Iteration 8, Release 2 (23 points)

Social Worker Account Management #16 5pt
Assign Participant to Housing Form #6 5pt
Contact Housing Resource Form #5 5pt
As a social worker, I want to be able to keep track of my participant notes 5pt
As a social worker, I want to view the history of participant logged records 3pt

Iteration 9 (16 points)

As an admin social worker, I want to limit the privilege access of other workers or interns. 8pt
As a social worker, I want to be able to upload participant documents (digitized artifacts). 3pt
As a social worker, I want to have access to the website anywhere. 5pt

Infrastructure

Angular5

<https://angular.io/>

We are using Angular5 for building the frontend of our application. As our team is experienced in Angular, we thought it would be the best choice to use as a front-end framework. Angular is comprehensive, provides extensive documentation, and has a strong community.

ReactJS and EmberJS are two popular Javascript frameworks, however we have chosen not to use these as our team does not have any experience programming in these languages. Angular also has a larger community which will make it easier to find information on particular features as well as debug any problems we may come across.

Node

Node.js® is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#). Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient.

Express

Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications. We use it principally in the backend.

MondoDB

For persistent storage, we have chosen MongoDB, which is a [free and open-source cross-platform document-oriented database](#) program. Classified as a [NoSQL](#) database program, MongoDB uses [JSON](#)-like documents with [schemas](#). MongoDB is developed by [MongoDB Inc.](#), and is published under a combination of the [GNU Affero General Public License](#) and the [Apache License](#).

There are many alternatives for persistent storage, some examples are MySQL and PostgreSQL. We have chosen MongoDB because our team's familiarity with the software, and because it is easy to install and run on angular, as well as our team's familiarity with MongoDB queries.

Name Conventions

Database: We will follow the [MongoDB Style guide](#)

Backend: We will follow the [Microsoft TypeScript Style Guide](#)

Frontend: We will follow the [Angular Style Guide](#).

Frontend styling: We will follow the [Sass Guidelines](#).