Project Status Report: TeamAlpha

UrScheduler

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Team Alpha
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Sprint 1 (Feb 18th - March 4th):

Overview: In this sprint we set out to complete the following:

- **Database:** The database we chose is Mongodb because of its compatibility with Spring framework. We are able to do all the basic functions using SQL commands such as creating a database.
- **Server:** Maven is used to handle all the complicated procedure of building the project, we are able to run the server on localhost and visit the website we created using browser.
- **Development Environment Setup**: we use the combination of command line and IntelliJ to achieve a flexible development environment. The server can successfully connect to the Mongodb database and read/write document from/to it.
- **Basic UI**: Besides of the backend setup, we also develop the basic UI framework using Bootstrap. Our website is equipped with a Dashboard to enable use to redirect to the certain url they want.

Completed Items: In this sprint, we successfully completed the follow tasks:

1. Database design and implementation
2. Basic template files
3. Dashboard

Retrospection/Tasks carried into next sprint:

None, all Sprint 1 tasks completed by set deliverable time.

Sprint 2 (March 5th - April 5th):

Overview: In this sprint we set out to complete the following:

- **Database:** In this sprint we are able to save user's account information and meetings in our database. User's password is encrypted before being saved in our database.
- **Server:** We add more APIs in this sprint. We can create different types of meetings, choose a certain time slot and send invitations to other users.
- **Basic UI:** We improved the dashboard. User login, register, pending invitations and upcoming meetings were added.

Completed Items: In this sprint, we successfully completed the follow tasks:

1. Meeting configuration

2. Authentication
3. Scheduling UI
4. Set up meeting
5. Response to invitation

Retrospection/Tasks carried into next sprint:

All the Spring 2 tasks are completed on time.

Sprint 3 (April 6th - April 17th):

Overview: In this sprint we set out to complete the following:
We have just begun our third sprint, the details of tasks assignment are in our project plan.

- **Database:** In this sprint we will be adding email information to the database to help implement the email verification and request features.
- **Server:** We add more APIs in this sprint. We can allow for more modifications to meetings and cancellation features.
- **Basic UI:** We will be further improving the overall design and aesthetic of the site, adding things like photos and backgrounds. We will also add explanatory text where appropriate to help users use the site.

Completed Items: In this sprint, we have successfully completed the follow tasks (to date):

1. Invitation

Current Progress: We are currently developing:

1. Send email functionality
2. Meeting modification functionalities and cancellation

Document Progress:

Project plan: we replace the group creation task in sprint 2 with ResponseView and ResponseDb in Sprint 3 because we realize that the latter one has higher priority than the former one and needs to be done as early as possible.

Test plan: We added the test plan document and are continually updating it as needed.

System Architecture: We are using Spring framework to develop our web application. We choose Mongodb as our database and Maven to manage our project. In Spring 1, there is only one class which is meeting. In Spring 2, we updated the meeting class and

added two more classes: CustomUserDetails and MeetingPrototype. We are still working on Group class.

User Case Model: In Sprint 1, there was no authority check. In Spring 2, authentication function was added, users can register, login and check meeting information. Spring framework will keep user's login information.

Test Progress:

Unit Test: Every component is added to our application only after it is well tested. Therefore, our server is very robust.

Interface Test: Since our web application needs to interact with database using Spring framework. The interface of database has been handled appropriately by Spring. Therefore, all the tests we have done focus on the functionality. This functionality includes things like security, but more testing should be done with scalability.

User Test: User test will be conducted after the final presentation of our project and we will use the feedback to do the final improvement.