

CS5551 ADVANCED SOFTWARE ENGINEERING

BLOOD DONATION MANAGEMENT

PROJECT MANAGEMENT REPORT

Instructor :

Dr. Yugyung Lee

TEAM MATES

- 1. PRASANNA MUPPIDI (33)**
- 2. SANTHOSH MOHAN (35)**
- 3. ANUDEEP PANDIRI (40)**
- 4. Fathima James S (58)**

Introduction:

Our Blood Management application helps the users to find the donor for a particular blood group in a particular location in the easiest way possible. All the donors who wish to donate blood are supposed to enter their details in the application. The details include their Name, Age, Contact number, Email ID, Location (ZIP Code) and most importantly their blood group. The recipients who wish to receive blood should login to the application with their mobile number and are supposed to search the forum based on the required blood group and the location, they can contact the donor for further details.

We have divided the entire project into 4 increments.

Increment 1:

1. Research on importance of Blood Donation Management, requirements for the development.
 2. Setup Android Studio, Zenhub and Github for every team member.
 3. Design Class diagrams.
 4. Design Sequence diagrams.
 5. Design State diagrams.
 6. Design Wireframes.
 7. Design basic UI layouts (Login, Registration, Home)
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- Prasanna has done Class diagram and Sequence diagram for the application.
 - Santosh has done State Diagram for the application.
 - Anudeep has done the Wireframes of all the pages.
 - Fathima has done the sample UI for Login, Registration and Home pages.

Increment 2:

1. Implement Login/logout /Registration/ Registration validation and functionality.
 2. Implement home page.
 3. Setup Firebase database.
 4. Test Login/logout UI/Registration/Registration validation.
 5. Test sample user data.
- Prasanna has done the Login, Registration, Home page validations.
 - Santhosh has done the functionalities for Login, Registration and Home pages.
 - Anudeep has done the UI for all the pages.
 - Fathima has setup the Firebase database.

Increment 3:

1. Implement search functionality
 2. Implement View and Edit Profile Functionality
 3. Test search functionality
 4. Test Edit Profile UI and functionality
 5. Implementation of field validations.
- Prasanna has done the Profile view and validations.
 - Santhosh has done the database queries for the Search functionality and the list view and the map view for the search.
 - Anudeep has done the Edit Profile page and the database.
 - Fathima has done the UI for all the pages and Social Login for the application.

Increment 4:

1. Implementation of Side Navigation Bar.
 2. Implementation of Search for Blood Drives, Hospitals, Blood Banks.
 3. Implementation of Share on FB option.
 4. List View and Map View for all the searches.
 5. Refined UI for all the pages.
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- Prasanna has done the map view of Blood Bank search and UI for all the pages.
 - Santhosh has done the Side Navigation Bar, Hospital search and Share on FB.
 - Anudeep has done the list view and map view of Blood drive search.
 - Fathima has done the list view of Blood bank search and UI for the search pages.

Final Project Evaluation:

We have implemented all the functionalities which we thought we should implement.

- We have implemented the search according to the Blood group and City.
- We have implemented the Map view and the list view of the donors.
- We have implemented the Navigation Bar.
- We have implemented the list view and the Map view of Hospital search.
- We have implemented the list view and the Map view of Blood Drive search.
- We have implemented the list view and the Map view of Blood banks search.
- We have implemented the Share on FB option.

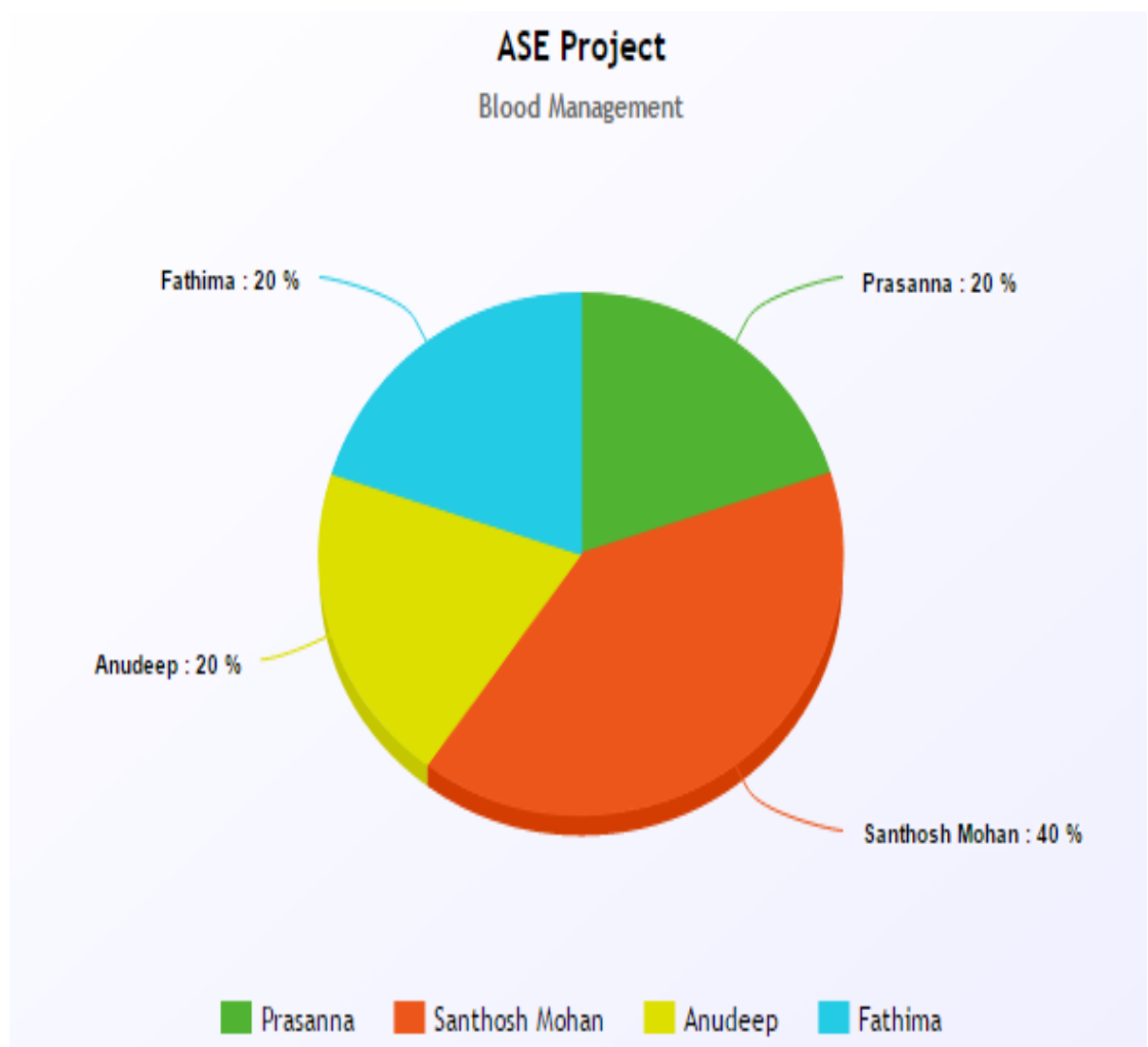
Yes, we did stick to our project plan in all our increments.

Agile Process Uses in our project:

- Implementation of project in phases.
 - Design, Development and Testing is done simultaneously.
 - Dynamic changes are implemented easily.
1. We would definitely use Agile process the next time we do a project since it is very easy as changes are done in the requirements generally.
 2. All of our team members have worked really well and we didn't have any issues while working.

Contribution:

1. Santhosh Mohan – **40%**
2. Prasanna Muppidi – 20%
3. Anudeep Pandiri – 20%
4. Fathima James – 20%



Github and Zenhub Images:

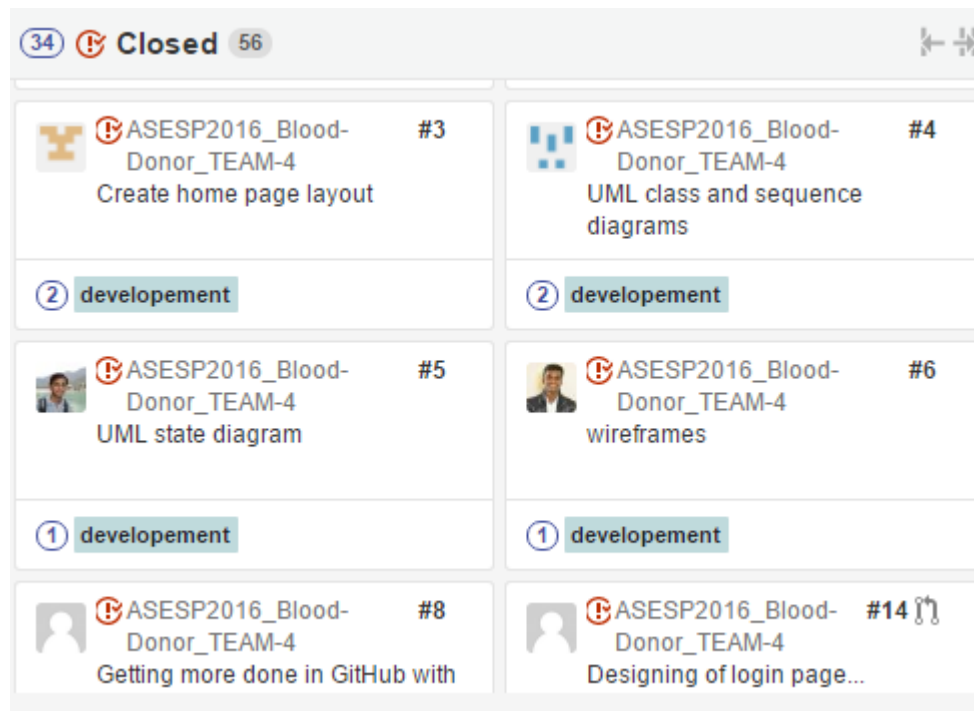


Figure: Increment 1

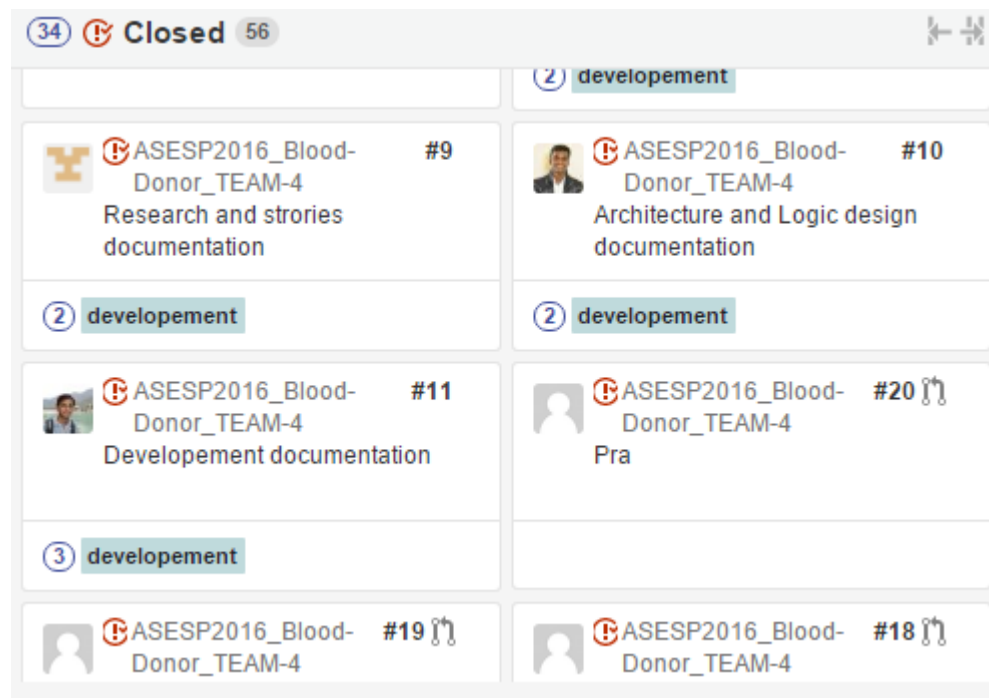


Figure: Increment 2

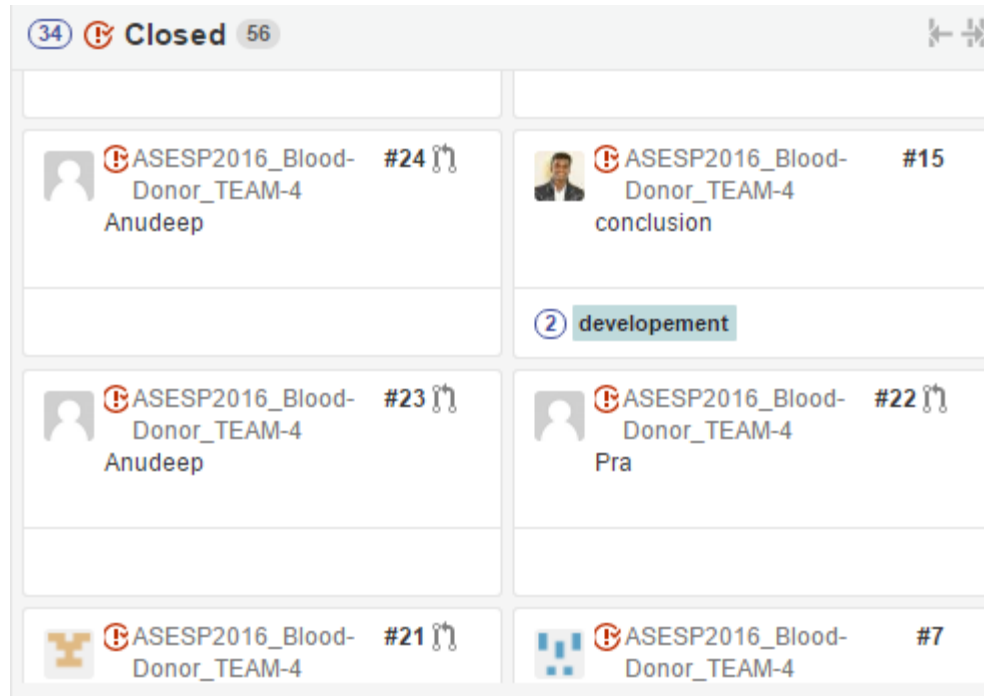


Figure: Increment 3

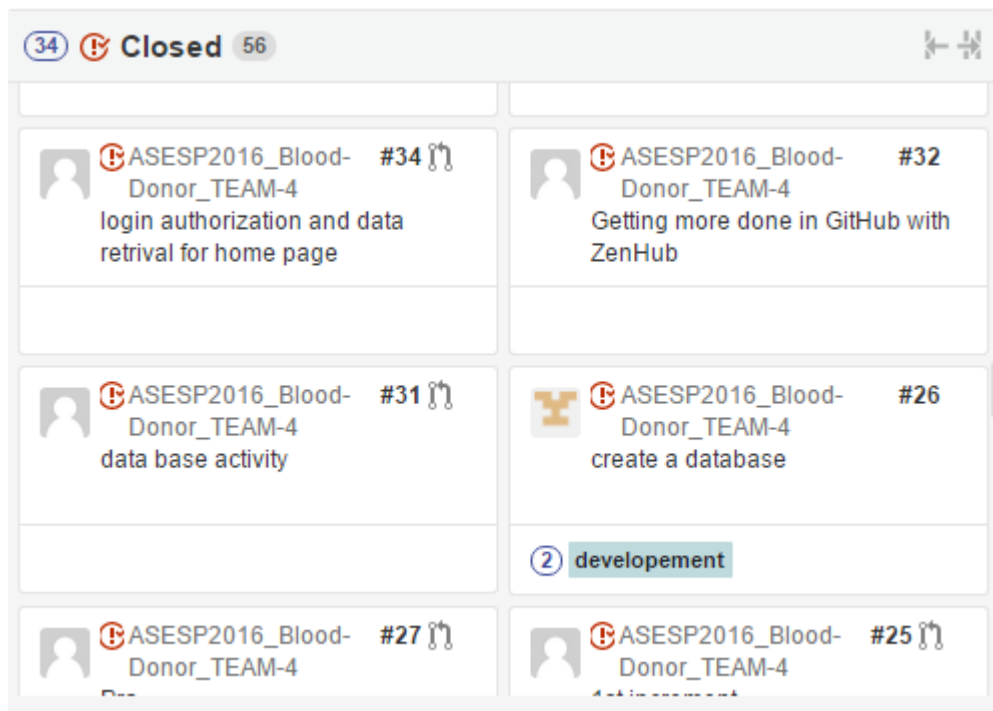


Figure: Increment 4

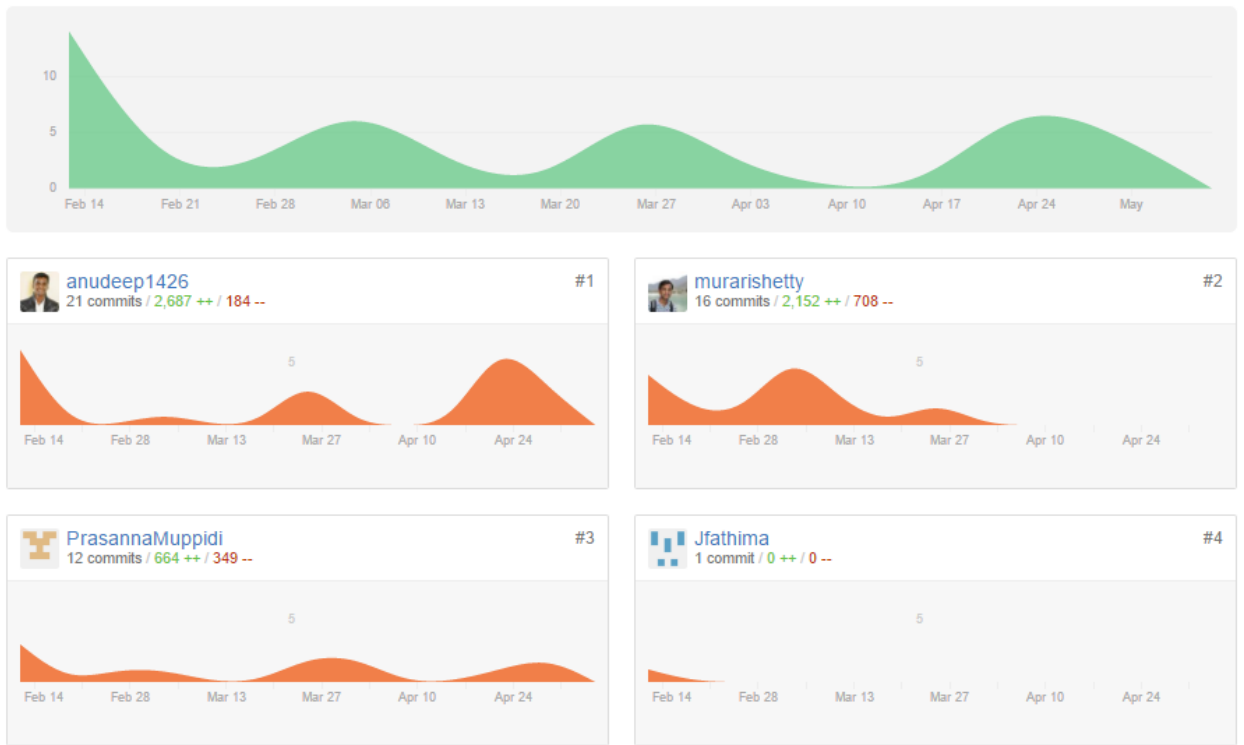


Figure: Overall Contribution Graphs