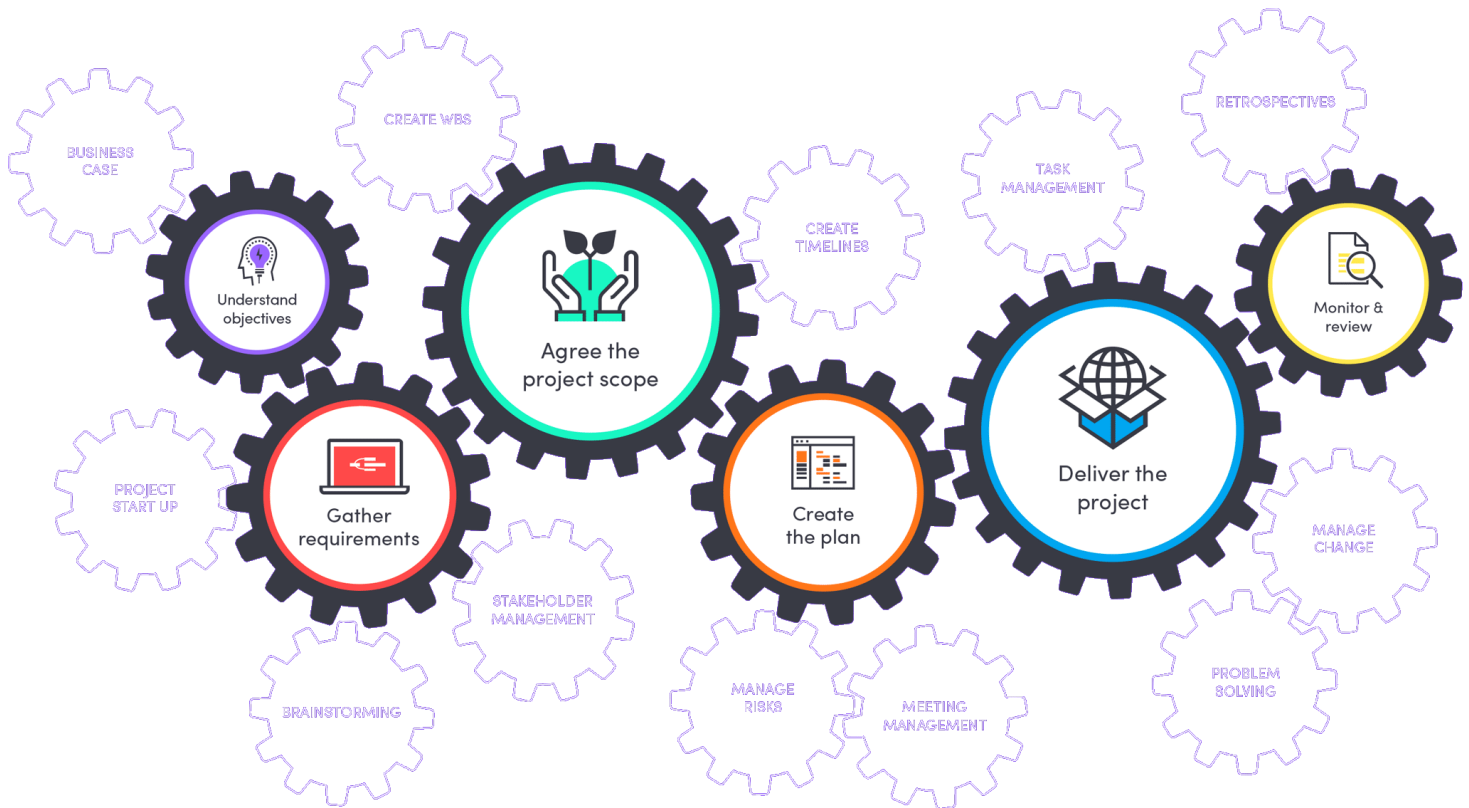


VipraHub

Project Proposal



Team Members, Class ID:

Chakra Pavan Kumar Kota, 13
Naveena Madepally, 17
Dharani Muli, 18
Neha Navgale, 19
(Team #3)



PROJECT GOALS AND OBJECTIVES

Motivation:

There are many model repository sites and hosting sites available but there is no one stop place for the end user to have both the features. In order to overcome this problem, we are motivated to create a single application with high end features like share, test, deploy and visualize the output online.

Significance/Uniqueness:

Our application provides following unique features:

1. Model repository with categorization of models.
2. Page to track and visualize the series of experiments.
3. Test and Deploy online.
4. Share and Vote the model.
5. Download the model.

Objective:

Our objective is to design an open source application with maximum features which promote users to do reproducible research, manage all their models at one place. Moreover, this will also provide great visualization and exposure of contributor's work.

SCOPE OF THE PROJECT/PROJECT PLAN

Systems Features:

1. Create user
2. Edit user profile
3. User Dashboard
4. Upload a model
5. Model Profile
6. Download a model
7. Hosting a model
8. Testing a model
9. Track of experiments
10. Categorization of model
11. Repository Accessibility
12. Vote and comment on model

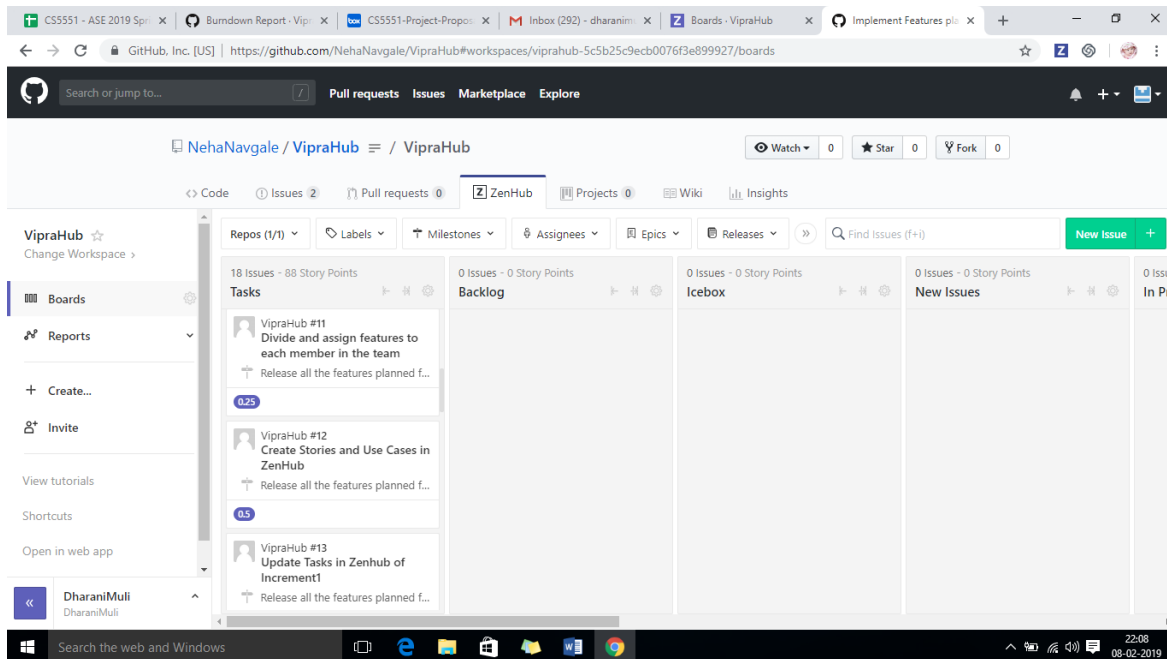


Project Timelines: Mile Stones and Tasks

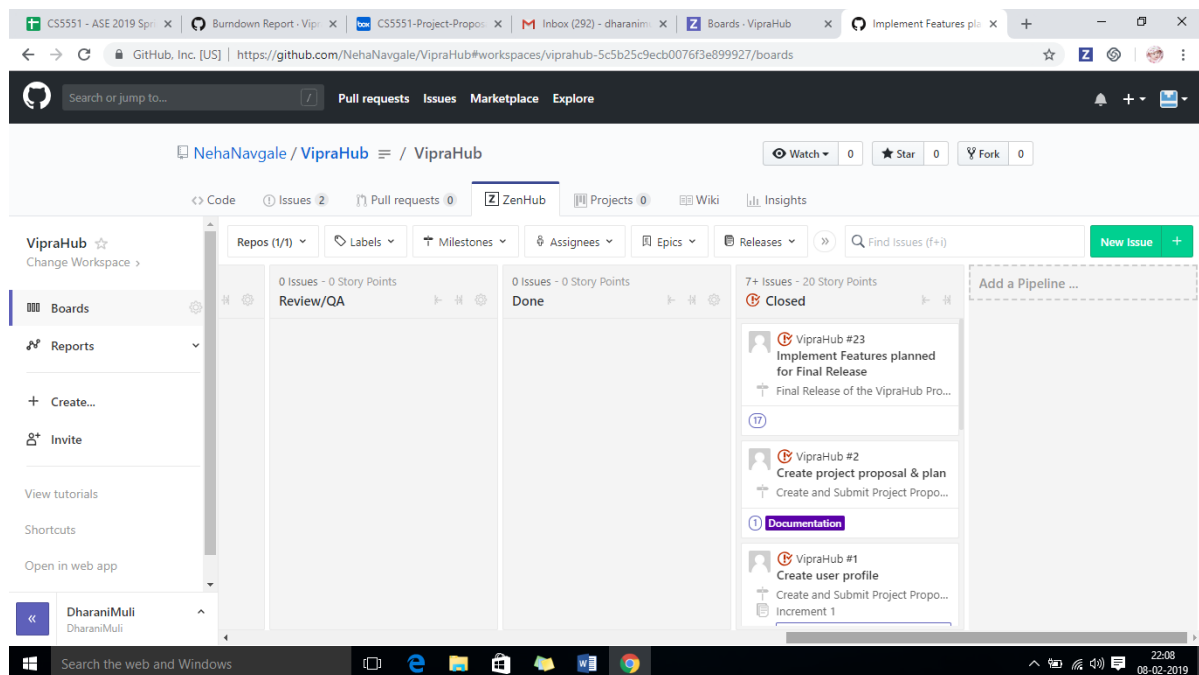
1. Create Project Proposal (**End Date :8th Feb**)
 - a. Set up team meeting
 - b. Discuss and close Project proposal and plan
 - c. Create a Zen Hub repository
 - d. Submit plan
2. Wireframes Sign Off from Project Manager (**End Date: 18th Feb**)
 - a. Requirement Solicitation
 - b. Design Wireframes
 - c. Get Sign off from Project Manager
 - d. Upload wireframes in ZenHub
3. Release 1 (Increment 1) (**End Date: 26th Feb**)
 - a. Divide and assign features to each member in the team
 - b. Create Stories and Use Cases in ZenHub
 - c. Update Tasks in Zenhub
 - d. Implement Features: [Registration Page, Login and User profile](#)
 - e. Test implemented features
4. Release 2 (Increment 2) (**End Date: 19th March**)
 - a. Update Tasks Use stories and Cases in ZenHub
 - b. Implement Features:
 - i. [Upload Model](#)
 - ii. [User Dashboard](#)
 - iii. [View Model Description and Architecture](#)
 - c. Test implemented features
5. Release 3 (Increment 3) (**End Date: 16th April**)
 - a. Update Tasks Use stories and Cases in ZenHub
 - b. Release2 Features:
 - i. [Provide feature to search, filter or sort the models](#)
 - ii. [Categorization of model](#)
 - iii. [Provide Repository Accessibility](#)
 - iv. [Tracking of Experiments](#)
 - v. [Hosting Model](#)
 - vi. [Testing Model](#)
 - c. Test implemented features
6. Final Release (**End Date: 3rd May**)
 - a. Update Tasks Use stories and Cases in Zen Hub
 - b. Release2 Features:
 - i. [Vote and Comment on Models](#)
 - ii. [Download Model](#)
 - c. Test implemented features

ZenHub Screenshots

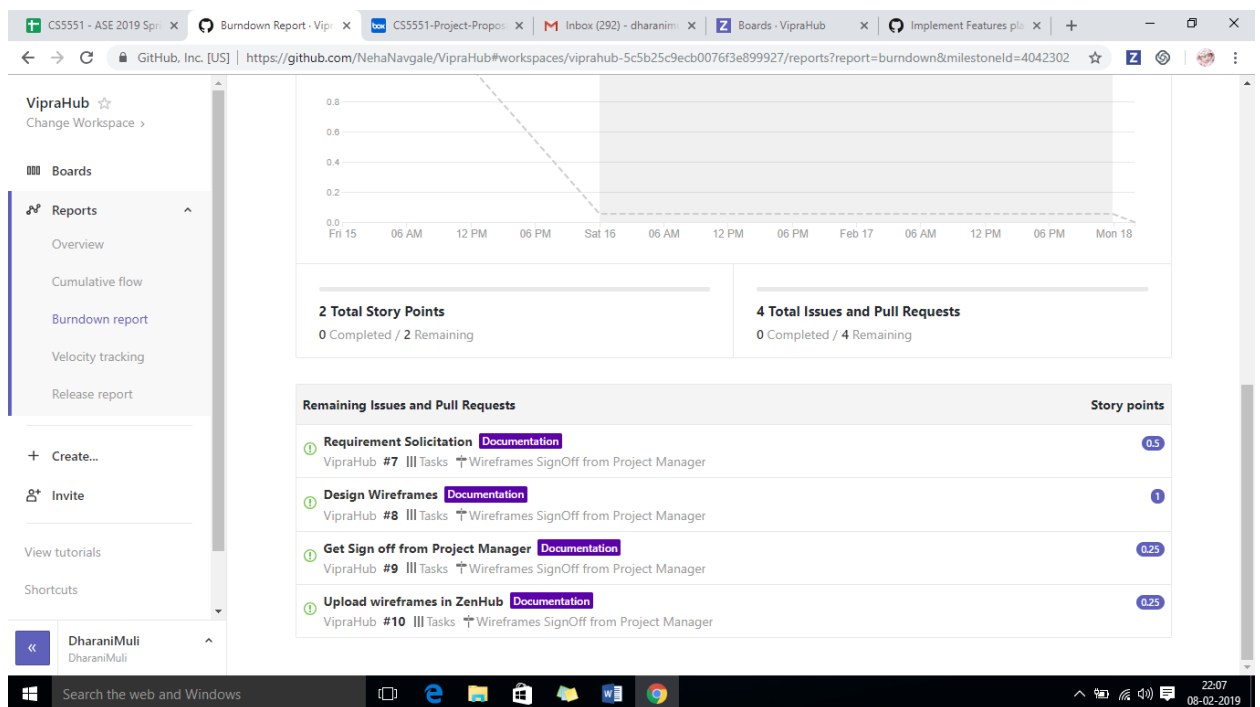
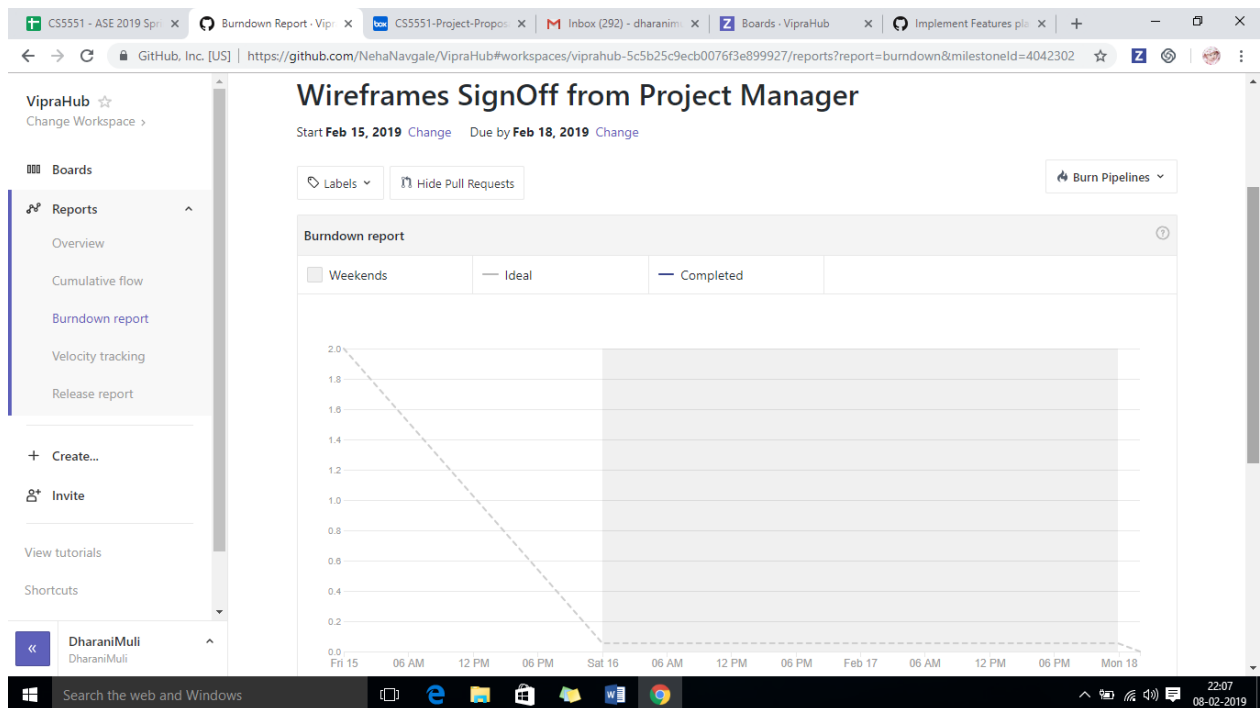
1. Created tasks for all increments in ZenHub



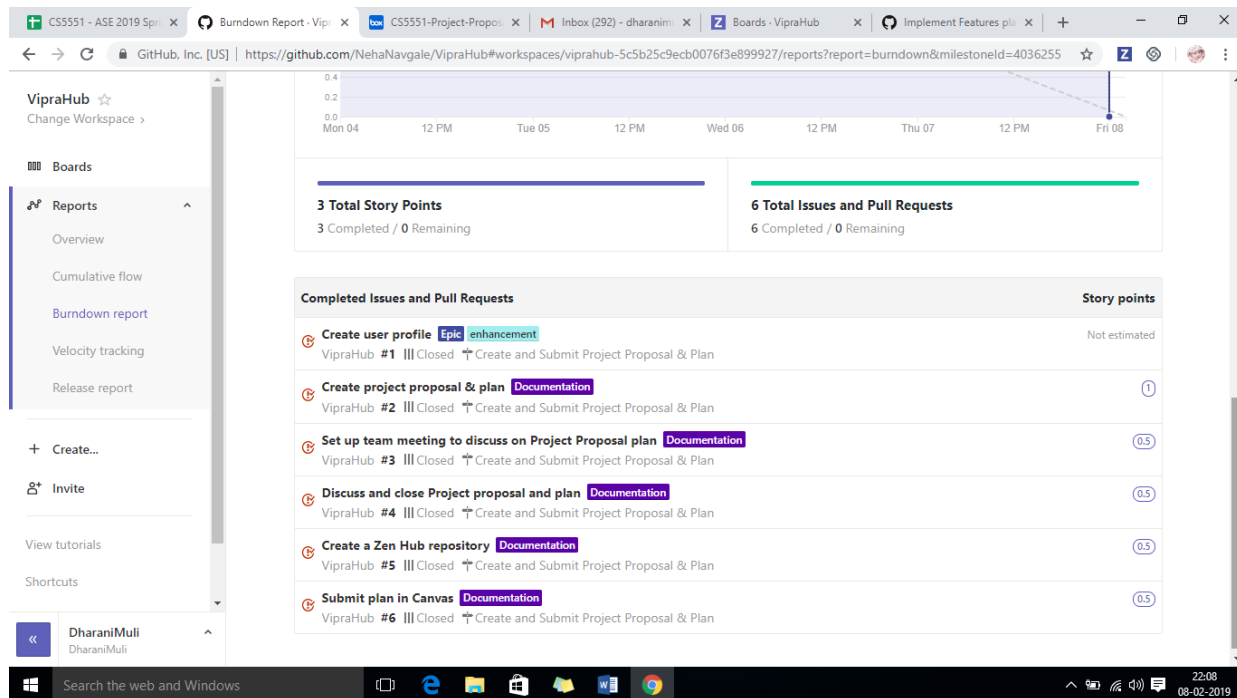
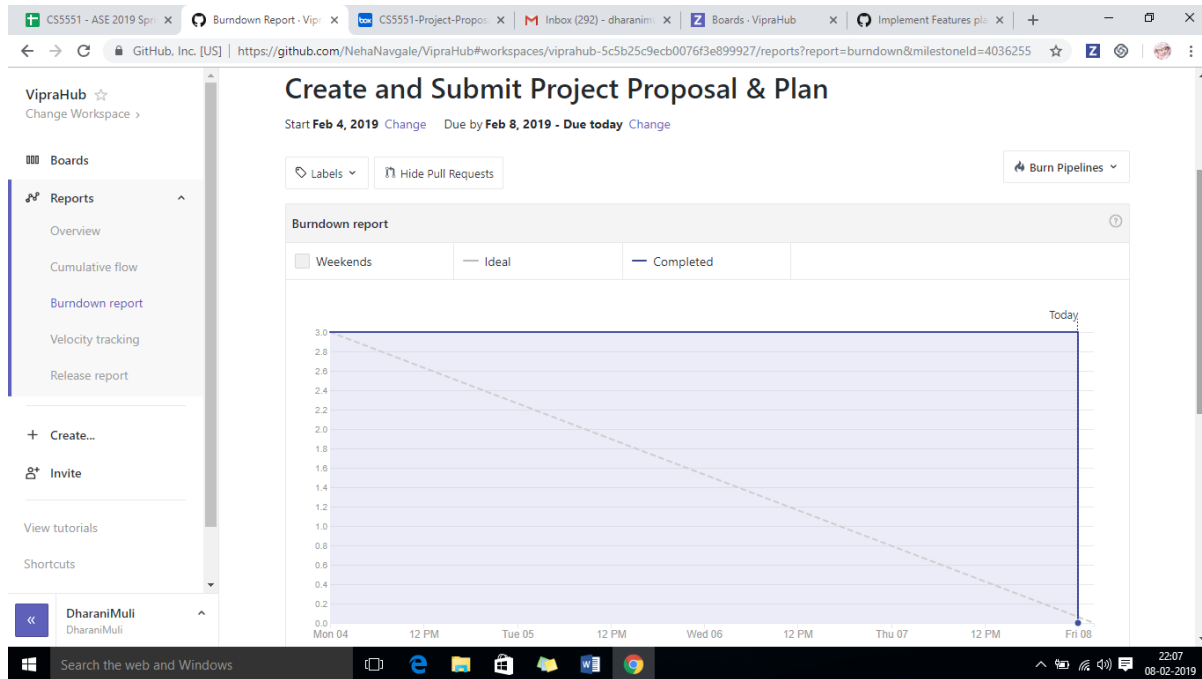
2. Moved closed tasks to “Closed” Pipeline in Zenhub



3. Created Burndown chart for all the miles stoned, here is the chart for First Milestone “Wireframes Signoff from Project Manager”.



4. Burndown Chart for Closed Tasks





TECHNOLOGIES:

1. Angular 7, JavaScript
2. CSS3, Bootstrap4
3. HTML5
4. Ruby on Rails

RELATED WORK AND BIBLIOGRAPHY:

Model Hub: <http://app.modelhub.ai>

Google Seedbank: <https://research.google.com/seedbank/>
GitHub