

Project 5
Team 07
SER516 - Software Agility

Contributors

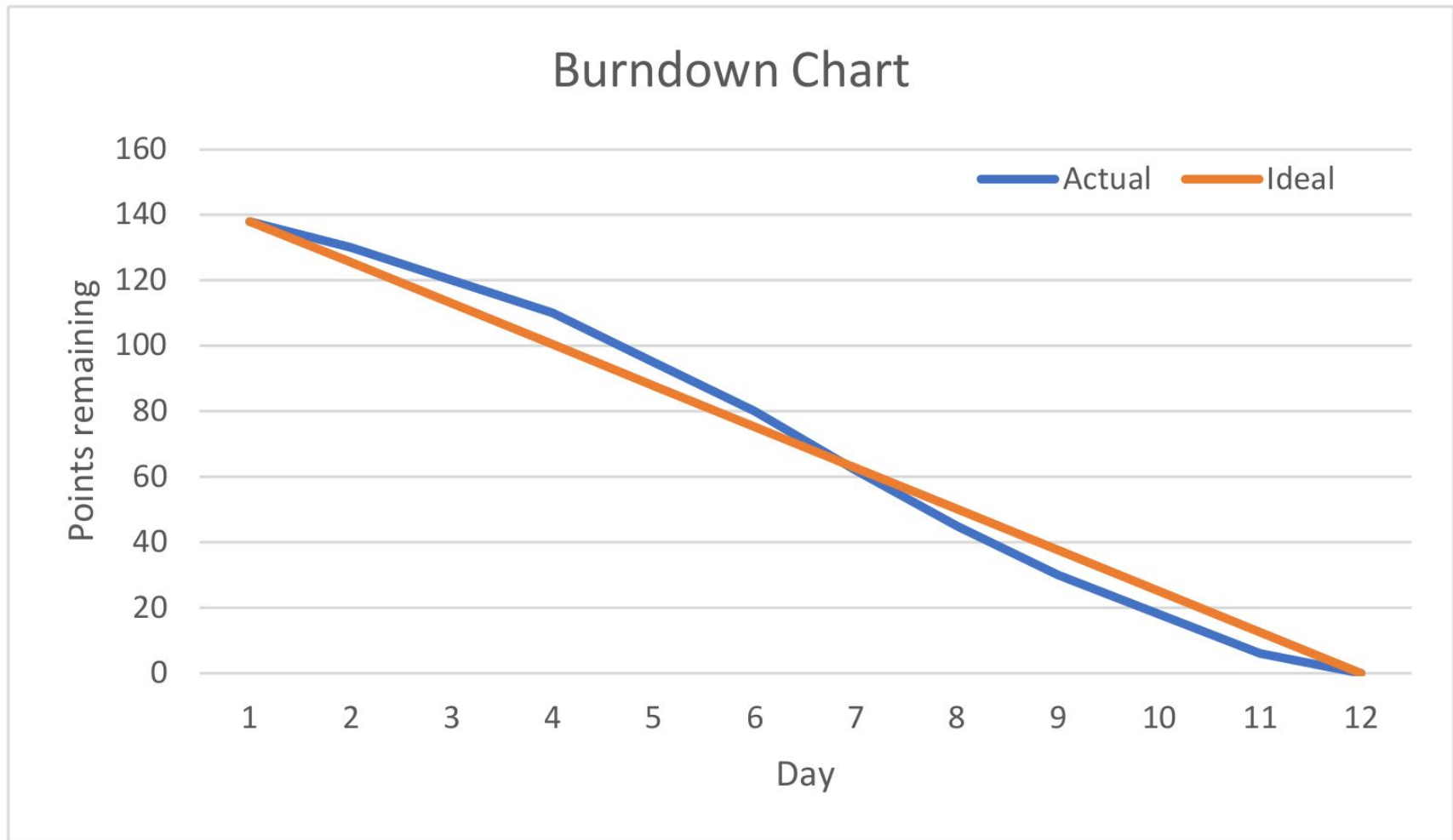
- 1. Aditya Bajaj*
- 2. Aravind Thillai Villalan*
- 3. Karandeep Singh Grewal***
- 4. Praveen Kumar Panku***

Product Backlog

S. No	User Story	Acceptance Criteria	Status	Efforts	Author
1	As a developer, I want to create a JMenuBar with an item File to create a new, open an existing & save current file, so that the user can access it.	1. User can browse the system and create a new file, open & save the file 2. Tabs in the files are saved in the same order. 3. Operators and Connections in the files are saved successfully. 4. Operator values (stored with input popup) should be also saved.	Completed	5	Aditya
2	As a developer, I want to create a JMenuBar with an item Project to compile & translate the program, so that I can solve the equation.	1. User can compile & translate the current file	Completed	3	Aditya
3	As a user, I want to use the ScrollPane, so that I can scroll & choose the operators when the screen has been resized.	1. Scrollbar should appear in LeftPanel, RightPanel & ToolBar when the MainFrame is resized to access the operators	Completed	3	Aditya
4	As a developer, I want to create a JToolBar on top containing the operators, so that I can access them.	1. Users can create operators in workspace by clicking on JToolbar items	Completed	5	Aditya
5	As a user, I want to click on on the '#' operator, so that i can create a new tab.	1. A new Tab should be created when the user creates the "#" operator	Completed	5	Aditya
6	As a user, I want to double click on the '#' operator, so that i can edit the name of the associated tab.	1. On double clicking, the associated tab name should change with the text in the input popup	Completed	8	Aditya
7	As a user, I want to use the ScrollPane, so that I can scroll & access the workspace when the screen has been resized.	1. Scrollbar should appear when the MainFrame is resized to access the operators	Completed	3	Aravind
8	As a user, I want to minimize,maximize, resize & close the MainFrame.	1. MainFrame should minimize on clicking the Minimize button 2. MainFrame should maximize on clicking the Maximize button 3. MainFrame should close on clicking the Close	Completed	2	Aravind

		button			
9	As a user, I want to translate the current tab to a graphviz file code	1. All components in the workspace should be translated to Graphviz code on clicking the Translate button.	Completed	20	Aravind
10	As a user, I want to save the workspace in the form of a graph as a graphviz file.	1. All components in the workspace should be saved as Graphviz code files with dot extension on clicking the Translate button.	Completed	5	Aravind
11	As a user, I want to drag & drop a shape from the Left Panel	1. User should be able to create new elements by dragging & dropping operators from the Left panel	Completed	5	Karandeep
12	As a user, I want to delete a connection by right clicking the connection.	1. Users should be able to delete connections between 2 operators by right clicking on the connection.	Completed	20	Karandeep
13	As a user, I want to change a connection from one operator to another operator.	1. Users should be able to change the connection between 2 operators by dragging the arrowhead to its new destination.	Completed	13	Karandeep
14	As a user, I want a log panel on the application so that I can see all the operations done in the application.	1. Users should be able to view a Log Panel at bottom to view the results of Compile & Translate functionality.	Completed	5	Karandeep
15	As a developer, I want to put all the log messages on to a log panel so that users can see the current state of the program.	1. Users should be able to view the detailed results of Compile & Translate functionality.	Completed	3	Praveen
16	As a user, I want the compiler to check that the operators and connections in all tabs are following all the rules	Checks the following rules along with rules from Sprint 4: 1. There should be an equal number of '<' and '>' operators in a tab. 2. There should not be multiple graphs in the same tab. 3. Compiler should check the rules for all tabs	Completed	20	Praveen
17	As a user, I want to delete an operator and its connections on the workspace.	1. Users should be able to delete an operator & its connections by right clicking on the operator.	Completed	13	Praveen

Burndown Chart



Sprint Review

- What did we do?/What do you think is the value you created this Sprint?
 - Completed all the product backlog items
 - Finished the basic features ahead of the deadline
- What could be better?
 - Application could have been optimized more for better performance
- What will we do?
 - Extensively test our application for bugs
 - Fix any bugs if found during testing
- Would you say you met the customers' expectations? Why, why not?
 - We believe that we exceeded customer customer expectations by designing a clean & aesthetic GUI, with good performance & implemented all functionalities.

Sprint Retrospective

- What did we do well?
 - Worked on the project design and structure before starting to code
 - GUI looks pretty good
 - Followed good coding standards
 - Used appropriate design patterns
 - Proper code cleaning was done and good coding structure was maintained
- Did you meet your sprint goal? If not, what went wrong?
 - Yes, we met all our sprint goals.
- Did you complete all stories on your Sprint Backlog?
 - Yes, we completed all our user stories.
- Did you work at a consistent rate of speed, or velocity?
 - We worked consistently since the beginning, which can also be tracked by reviewing the GitHub commits.
- What should we have done better?
 - Could have increased the performance of the application
 - Lack of planning lead to some rework during the sprint
- Are there things the team thinks it can do better in the next Sprint?
 - Assigning related user stories to same person
 - Assigning user stories depending on the expertise of the person
 - Reworking on the same thing for efficiency too early before integration
- What should we keep doing?
 - Code clean up and unit testing after each major task
 - Applying appropriate design principles
 - Try to increase the performance of the application