Scrumbot

Project manager

Project dates Jan 13, 2020 - Apr 6, 2020

Completion 18%

Tasks 67

Resources 3

Scrum is an agile process framework widely used in industry for managing and coordinating collaborative projects. Scrum being a process based on the agile development method, follows a highly iterative process and often has heavy customer involvement, therefore it can be often be complex. It is often difficult to manage communication and coordination within the project due to the complexity of agile development processes. With Discord being a popular communication tool used by many teams of software developers today, our team would like to develop a solution to directly integrate the management of a scrum development cycle into the communication channels. Our solution will allow for better management and organization of retrospectives, stand-ups, and other scrum/agile processes used by software teams during routine communication.

Tasks

Name	Begin date	End date
Working on Problem Approval	2020-01-13	2020-01-19
Original Project Information	2020-01-13	2020-01-19
Software Purpose and Scope	2020-01-13	2020-01-19
Specialized Hardware Requirements	2020-01-13	2020-01-19
Licenses	2020-01-13	2020-01-19
Programming Language	2020-01-13	2020-01-19
Domain Knowledge	2020-01-13	2020-01-19
Problem Approval Due	2020-01-20	2020-01-20
Working on Problem Statement	2020-01-20	2020-01-23
Problem Statement	2020-01-20	2020-01-23
Stakeholders	2020-01-20	2020-01-23
Problem Statement Due	2020-01-24	2020-01-24
Working on Development Plan	2020-01-24	2020-01-30
Team Meeting Plan	2020-01-24	2020-01-30
Team Communication Plan	2020-01-24	2020-01-30
Team Member Roles	2020-01-24	2020-01-30
Git Workflow Plan	2020-01-24	2020-01-30
Proof of Concept Demonstration Plan	2020-01-24	2020-01-30
Technology	2020-01-24	2020-01-30
Coding Style	2020-01-24	2020-01-30
Project Schedule	2020-01-24	2020-01-30
Gantt Chart	2020-01-24	2020-01-30
Project Review	2020-01-24	2020-01-30
Development Plan Due	2020-01-31	2020-01-31

Tasks

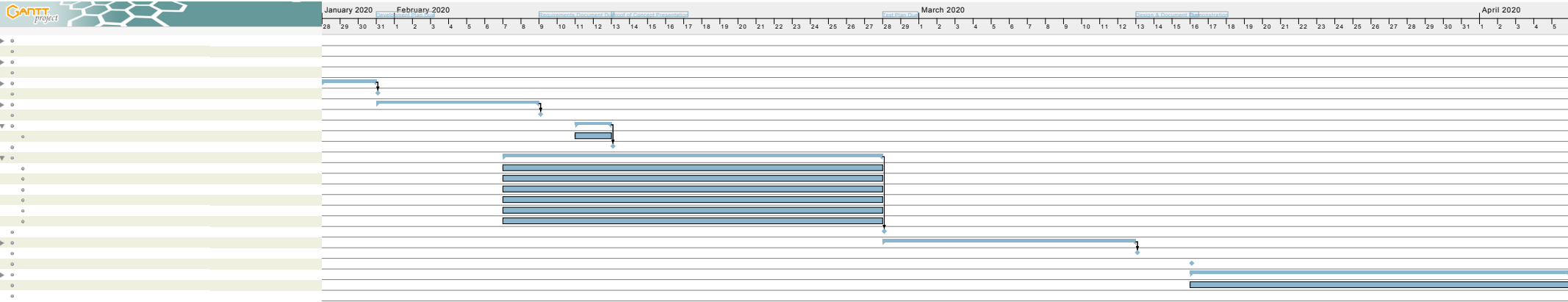| Name	Begin date	End date
Working on Requirements Documentation	2020-01-31	2020-02-08
Project Drivers	2020-01-31	2020-02-08
Functional Requirements	2020-01-31	2020-02-08
Non-Functional Requirements	2020-01-31	2020-02-08
Project Issues	2020-01-31	2020-02-08
Requirements Document Due	2020-02-09	2020-02-09
Working on Proof of Concept	2020-02-11	2020-02-12
Concept Code Development	2020-02-11	2020-02-12
Proof of Concept Presentation	2020-02-13	2020-02-13
Working on Test Plan	2020-02-07	2020-02-27
General Information	2020-02-07	2020-02-27
Plan	2020-02-07	2020-02-27
System Test Description	2020-02-07	2020-02-27
Tests for Proof of Concept	2020-02-07	2020-02-27
Comparison to Existing Implementation	2020-02-07	2020-02-27
Unit Testing Plan	2020-02-07	2020-02-27
Test Plan Due	2020-02-28	2020-02-28
Working on Design & Documentation	2020-02-28	2020-03-12
MG	2020-02-28	2020-03-12
Introduction	2020-02-28	2020-03-12
Anticipated and Unlikely Changes	2020-02-28	2020-03-12
Module Hierarchy	2020-02-28	2020-03-12

Tasks

Name	Begin date	End date
Connection Between Requirements and Design	2020-02-28	2020-03-12
Module Decomposition	2020-02-28	2020-03-12
Traceability Matrix	2020-02-28	2020-03-12
Use Hierarchy Between Modules	2020-02-28	2020-03-12
MIS	2020-02-28	2020-03-12
Design & Document Due	2020-03-13	2020-03-13
Demonstration	2020-03-16	2020-03-16
Working on Test Report	2020-03-16	2020-04-05
Nonfunctional Requirements Evaluation	2020-03-16	2020-04-05
Usability	2020-03-16	2020-04-05
Functional Requirements Evaluation	2020-03-16	2020-04-05
Performance	2020-03-16	2020-04-05
Comparison to Existing Implementation	2020-03-16	2020-04-05
Unit Testing	2020-03-16	2020-04-05
Changes Due to Testing	2020-03-16	2020-04-05
Automated Testing	2020-03-16	2020-04-05
Trace to Requirements	2020-03-16	2020-04-05
Trace to Modules	2020-03-16	2020-04-05
Code Coverage Metrics	2020-03-16	2020-04-05
Working on Final Documentation	2020-03-16	2020-04-05
Final Documentation Due	2020-04-06	2020-04-06

Resources

Name	Default role
Arkin Modi	undefined
Leon So	Project Lead
Timothy Choy	undefined

Gantt Chart

January 2020   February 2020   March 2020   April 2020

	January 2020	February 2020	March 2020	April 2020
	28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5

Development Kick-off   Requirements Document Due   Proof of Concept Presentation   Test Plan Due   Design & Document Demonstration

▶ •	350%	153%	357%	203%	237%	203%	400%	287%
▶ •	300%	138%	307%	168%	237%	168%	200%	867%
▶ •	450%	208%	437%	228%	327%	228%	300%	287%