DPM Team 06 GANTT Chart

Project manager

Project dates   15-Oct-2017 - 1-Dec-2017

Completion   89%

Tasks   65

Resources   6

This is the DPM Final Project GANTT Chart (and budget) for Team 06.

Tasks

Name	Begin date	End date	Duration
(01) Project Kick-off	15/10/17	15/10/17	1
(02) Preliminary Design Ideas	16/10/17	16/10/17	1
(03) Initial Versions of Four Main Documents	16/10/17	16/10/17	1
First Design Meeting	17/10/17	17/10/17	0
(04) HW Design Document	17/10/17	17/10/17	1
(05) SW Design Document	17/10/17	17/10/17	1
(06) Testing Document	17/10/17	17/10/17	1
(07) Adjust Budget and GANTT Chart	17/10/17	17/10/17	1
(08) Organize Documentation, GANTT Chart, and Budget Updates	18/10/17	18/10/17	1
(09) Outline Three Mechanical Designs	17/10/17	19/10/17	3
(10) Compare Mechanical Designs	20/10/17	20/10/17	1
(11) Prepare Mechanical Design Proposal	21/10/17	21/10/17	1
=== SLACK ===	22/10/17	23/10/17	2
Second Design Meeting	24/10/17	24/10/17	0
(12) Choose Mechanical Design	24/10/17	24/10/17	1
(13) Construct Physical Model or LDD	25/10/17	26/10/17	2
(14) Update HW Documentation	27/10/17	27/10/17	1
=== SLACK ===	28/10/17	30/10/17	3
(15) Design Software System Flow Chart	17/10/17	19/10/17	3
(16) Design Main System State Machine	20/10/17	22/10/17	3
(17) Outline Individual Class Interfaces	23/10/17	25/10/17	3
(18) Prepare Preliminary API Documents (Javadocs)	26/10/17	26/10/17	1
(19) Update SW Documentation	26/10/17	26/10/17	1
Third Design Meeting	31/10/17	31/10/17	0
(20) Test Plan Development	31/10/17	01/11/17	2
(21) Complete Mechanical Design	31/10/17	31/10/17	1
(22) Complete Testing of Mechanical Design	02/11/17	03/11/17	2
(23) Update HW Documentation	04/11/17	04/11/17	1
Final Mechanical Design	04/11/17	04/11/17	0

Tasks

Name	Begin date	End date	Duration
(24) Update SW System Design	01/11/17	01/11/17	1
(25) Implement Odometer	02/11/17	04/11/17	3
(26) Test Odometer	02/11/17	04/11/17	3
(27) Implement Navigation and Obstacle Avoidance	02/11/17	04/11/17	3
(28) Test Navigation and Obstacle Avoidance	02/11/17	04/11/17	3
(29) Implement Ultrasonic Localization	02/11/17	04/11/17	3
(30) Test Ultrasonic Localization	02/11/17	04/11/17	3
(31) Implement Light Localization	02/11/17	04/11/17	3
(32) Test Light Localization	02/11/17	04/11/17	3
(33) Implement ZipLine Traversal System	02/11/17	04/11/17	3
(34) Test ZipLine Traversal System	02/11/17	04/11/17	3
(35) Implement Flag Searching Algorithm	02/11/17	04/11/17	3
(36) Test Flag Searching Algorithm	02/11/17	04/11/17	3
(37) Software Component Integration	05/11/17	05/11/17	1
(39) Update SW Documentation	06/11/17	06/11/17	1
(40) Update Testing Documentation	06/11/17	06/11/17	1
Fourth Design Meeting	07/11/17	07/11/17	0
(41) SW Improvements in Preparation for Beta Demo	07/11/17	11/11/17	5
(42) Full System Testing in Preparation for Beta Demo	07/11/17	11/11/17	5
(43) Update SW Documentation	12/11/17	12/11/17	1
(44) Update Testing Documentation	12/11/17	12/11/17	1
=== SLACK ===	13/11/17	13/11/17	1
Beta Demo	14/11/17	14/11/17	0
(45) Phase 1 Poster Design	14/11/17	18/11/17	5
(46) Final Poster Design and Print	19/11/17	20/11/17	2
(48) Make Improvements Based on Beta Demo Observations	14/11/17	16/11/17	3
(49) Test Beta-Demo Improvements	14/11/17	16/11/17	3
(50) Final Integration Testing	17/11/17	19/11/17	3
Fifth Design Meeting	21/11/17	21/11/17	0

Tasks

Name	Begin date	End date	Duration
(51) Final System Testing	21/11/17	22/11/17	2
(52) Update SW Documentation	23/11/17	23/11/17	1
(53) Update Testing Documentation	23/11/17	23/11/17	1
Final Demo	24/11/17	24/11/17	0
(54) Prepare Documentation for Submission	24/11/17	26/11/17	3
=== SLACK ===	27/11/17	30/11/17	4
Final Class	01/12/17	01/12/17	0

Resources

Name	Default role
Joshua Inscoe	Project Manager
Alex Hale	Documentation Manager
Justin Tremblay	Software Design Manager
Frederic Cyr	Hardware Design Manager
Xianyi Zhan (Jeffrey)	Team Member (Hardware)
Xu Hai (Mike)	Testing Manager

Gantt Chart

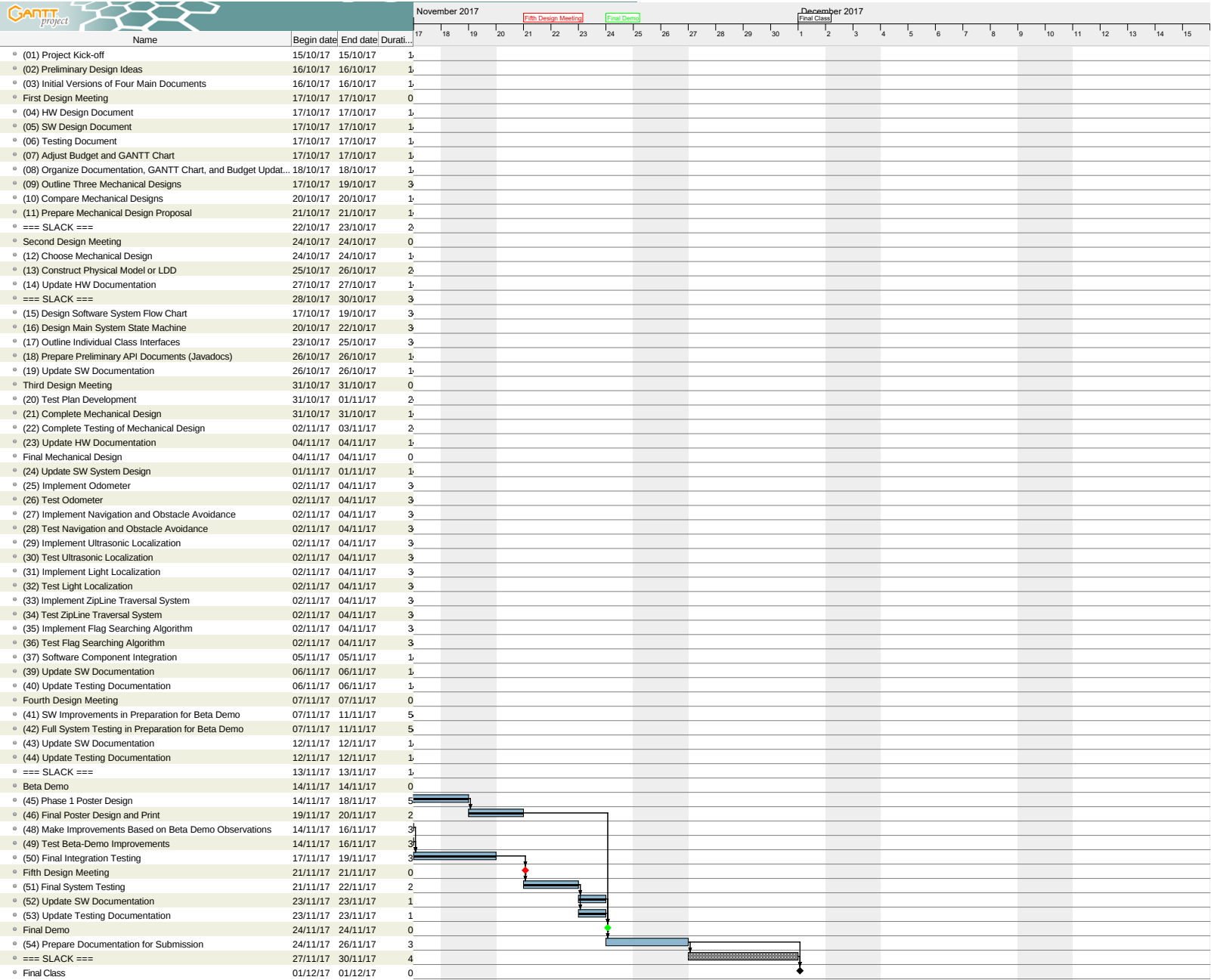| Name	Begin date	End date	Durati...
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Resources Chart

Name	Default role
Joshua Inscoe	Project Mana...
Alex Hale	Documentati...
Justin Tremblay	Software De...
Frederic Cyr	Hardware D...
Xianyi Zhan (Jeffrey)	Team Memb...
Xu Hai (Mike)	Testing Man...

November 2017 — Fifth Design Meeting, Final Demo

December 2017 — Final Class

| 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

Joshua Inscoe: 50%
Alex Hale: 50%
Justin Tremblay: 125%
Frederic Cyr: 125%