

DPM Gantt Chart

Oct 23, 2017

<http://>

Project manager

Project dates

Oct 15, 2017 - Dec 1, 2017

Completion

4%

Tasks

58

Resources

6

This is the DPM Final Project Gantt Chart for Team 06.

Tasks

Name	Begin date	End date	Duration
Project Kick off	10/15/17	10/15/17	1
Initial versions of 4 main docs	10/16/17	10/16/17	1
Preliminary design ideas	10/16/17	10/16/17	1
Mechanical Design Proposal	10/17/17	10/21/17	5
Mechanical Component Design	10/17/17	10/17/17	1
Mechanical Component Integration	10/18/17	10/18/17	1
Mechanical Testing and Adjustments	10/19/17	10/21/17	3
Documentation, budget updates	10/17/17	10/17/17	1
HW Design Document	10/17/17	10/17/17	1
SW Design Document	10/17/17	10/17/17	1
Testing Document	10/17/17	10/17/17	1
Adjust Budget and GANTT Chart	10/17/17	10/17/17	1
Second Design Meeting	10/24/17	10/24/17	0
Choose Mechanical Design	10/24/17	10/24/17	1
Construct physical model and/or LDD	10/25/17	10/26/17	2
Software class hierarchy	10/24/17	10/26/17	3
Preliminary API docs	10/27/17	10/28/17	2
Third Design Meeting	10/31/17	10/31/17	0
Complete Mechanical Design	10/31/17	11/2/17	3
Final Mechanical Design	11/3/17	11/3/17	0
Complete testing of mechanical design	11/3/17	11/4/17	2
Completion of software for beta demo	11/2/17	11/3/17	2
Initial test of mech and soft for beta	11/5/17	11/6/17	2
Software development phase 1	10/29/17	11/1/17	4
Update State Machines	10/29/17	10/30/17	2

Tasks

Name	Begin date	End date	Duration
Improve Reliability of Zipline System	10/31/17	11/1/17	2
Implement Searching System	10/31/17	11/1/17	2
Testing Plan development	10/31/17	11/2/17	3
Beta demo preparation	11/3/17	11/3/17	1
Software Architecture	10/17/17	10/23/17	7
Design Main System State Machine	10/17/17	10/18/17	2
Design Subsystem State Machines	10/19/17	10/21/17	3
Resolve Dependencies	10/22/17	10/23/17	2
Outline Individual Class Functionality	10/22/17	10/23/17	2
First Design Meeting	10/17/17	10/17/17	0
Full testing for beta demo	11/7/17	11/9/17	3
Beta Demo Milestone	11/14/17	11/14/17	0
revisions and testing from beta	11/14/17	11/19/17	6
Make Any Necessary Improvements	11/14/17	11/16/17	3
Test Improvments	11/17/17	11/18/17	2
Update SW Documentation	11/17/17	11/18/17	2
Update Testing Documentation	11/19/17	11/19/17	1
Development of Checklist	11/14/17	11/15/17	2
Phase 1 integration testing	11/14/17	11/14/17	1
Fourth Design Meeting	11/7/17	11/7/17	0
Phase 1 poster design	11/14/17	11/16/17	3
Final Integation Testing	11/15/17	11/17/17	3
Hardware Testing	11/15/17	11/15/17	1

Tasks

4

Name	Begin date	End date	Duration
Stability and Zipline-Crossing Tests	11/15/17	11/15/17	1
Software Testing	11/15/17	11/17/17	3
Position and Orientation Tests	11/15/17	11/17/17	3
Block Avoidance Tests	11/15/17	11/17/17	3
Searching Tests	11/15/17	11/17/17	3
UI Tests	11/15/17	11/17/17	3
Final Poster Design and Print	11/17/17	11/17/17	1
Final Demo	11/24/17	11/24/17	0
Final document preparation for submission	11/24/17	11/26/17	3
Final Class	12/1/17	12/1/17	0

Resources

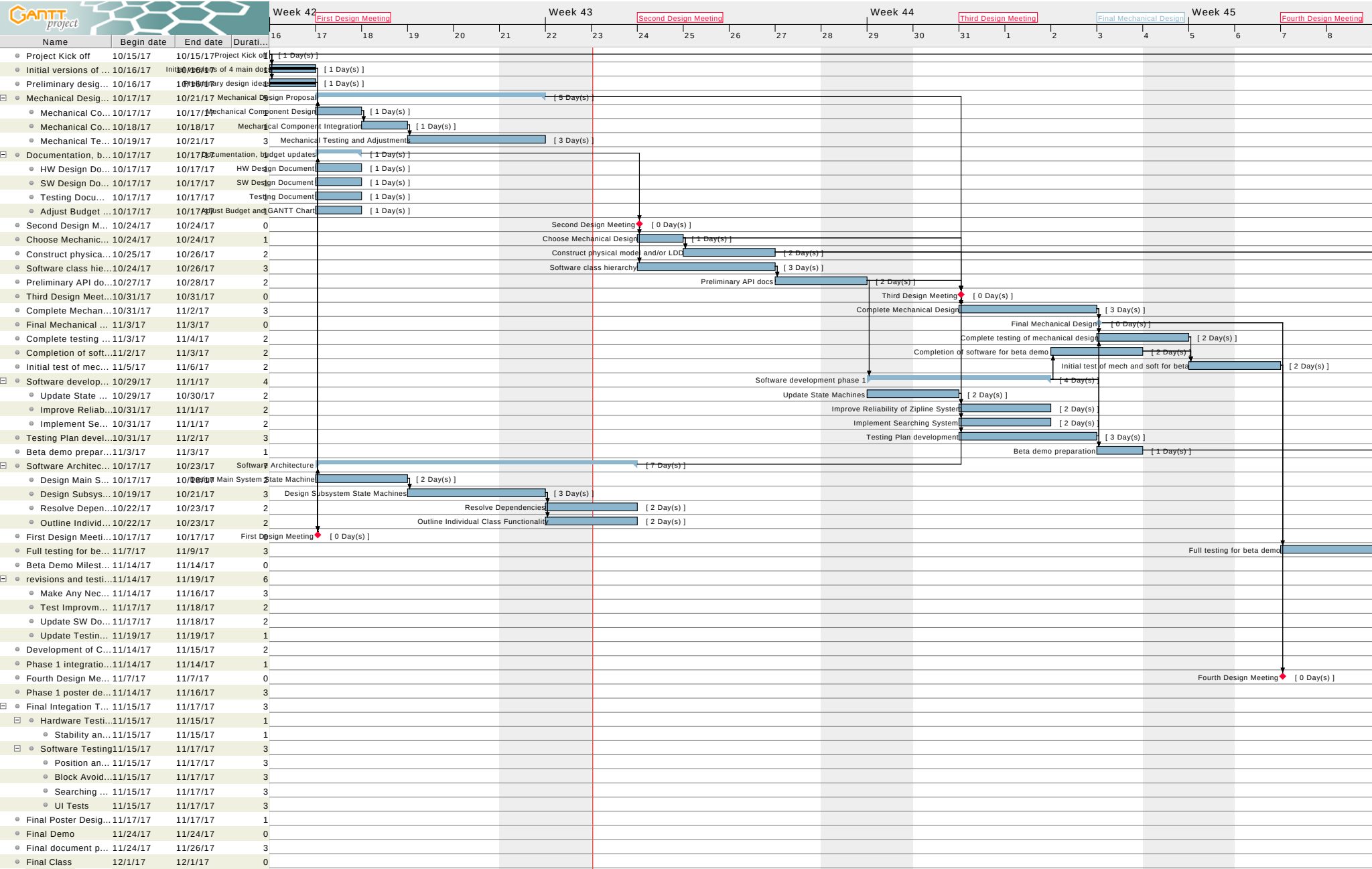
Name	Default role
Alex Hale	Documentation Manager
Justin Tremblay	Software Lead Designer
Frederic Cyr	Hardware Lead Designer
Xu Hai	Testing Manager
Xianyi Zhan	Team Member (Hardware)
Josh Inscoe	Team Manager

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