J.A.R.E.D.S Timeline

May 14, 2021

http://

Project manager	Gabriel Carey
Project dates	May 17, 2021 - Jun. 21, 2021
Completion	0%
Tasks	14
Resources	1

Scheduled tasks for J.A.R.E.D.S.

Tasks

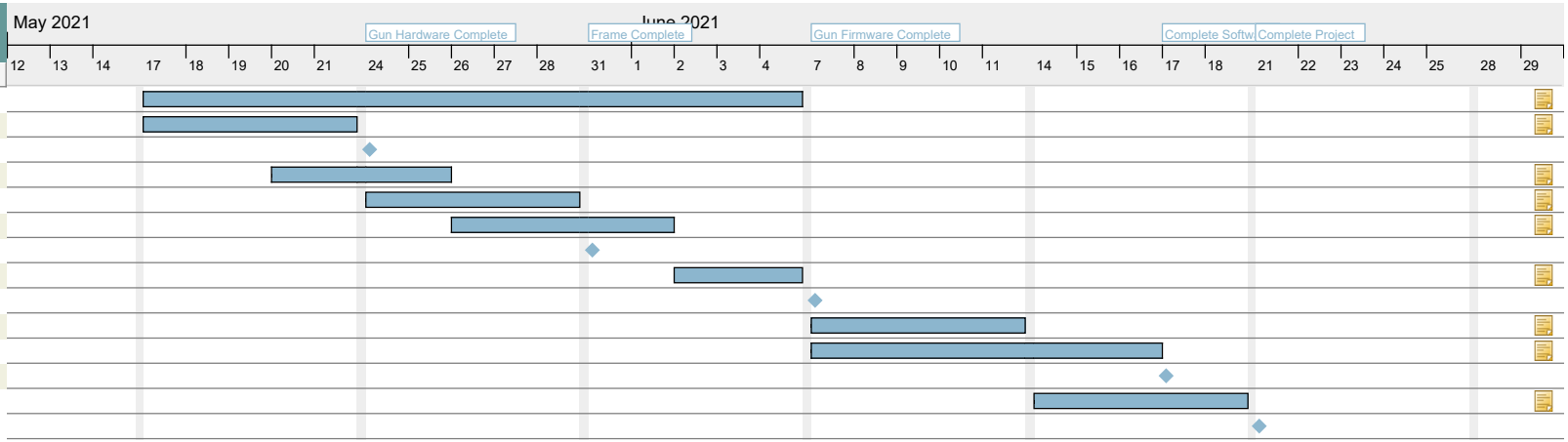
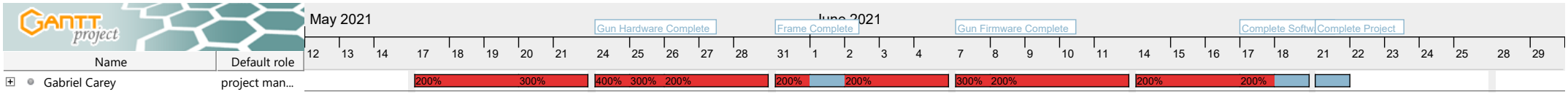
Name	Begin date	End date
3D Printing	2021-05-17	2021-06-04
Design/3D Print any necessary parts for functionality/ergonomics/aesthetics.		
Gun Hardware	2021-05-17	2021-05-21
Modify Nerf gun, implement new hardware components and schematic.		
Gun Hardware Complete	2021-05-24	2021-05-24
Structure Gun Firmware	2021-05-20	2021-05-25
Program Arduino for basic functionality, debug system. Begin structuing code for later.		
Frame	2021-05-24	2021-05-28
Construct frame, test servos.		
Structure Frame Firmware	2021-05-26	2021-06-01
Program Arduino for basic functionality, debug system. Begin structuing code for later. Tune servos for movement.		
Frame Complete	2021-05-31	2021-05-31
Gun Firmware	2021-06-02	2021-06-04
Finish coding firmware for Nerf gun. Add functionality to all components and debug code.		
Gun Firmware Complete	2021-06-07	2021-06-07
Develop Bluetooth Application	2021-06-07	2021-06-11
Develop PC Bluetooth application for remote control of the sentry gun.		
Software	2021-06-07	2021-06-16
Develop auto-targeting software on Raspberry Pi using Python. Implement serial communication between Raspberry Pi and Arduino. Program interface for Arduino to communicate with Raspberry Pi, receive data and control servos.		
Complete Software	2021-06-17	2021-06-17
Testing/Debugging	2021-06-14	2021-06-18
Final testing/debugging for reliable operation.		
Complete Project	2021-06-21	2021-06-21

Resources

Name	Default role
Gabriel Carey	project manager

Gantt Chart

Name	Begin date	End date
3D Printing	2021-05-17	2021-06-04
Gun Hardware	2021-05-17	2021-05-21
Gun Hardware Complete	2021-05-24	2021-05-24
Structure Gun Firmware	2021-05-20	2021-05-25
Frame	2021-05-24	2021-05-28
Structure Frame Firmware	2021-05-26	2021-06-01
Frame Complete	2021-05-31	2021-05-31
Gun Firmware	2021-06-02	2021-06-04
Gun Firmware Complete	2021-06-07	2021-06-07
Develop Bluetooth Application	2021-06-07	2021-06-11
Software	2021-06-07	2021-06-16
Complete Software	2021-06-17	2021-06-17
Testing/Debugging	2021-06-14	2021-06-18
Complete Project	2021-06-21	2021-06-21



Resources Chart