



GSoC Proposal for BeagleBoard.org



Table of contents

1	Introduction	1
1.1	Summary links	1
1.2	Status	1
1.3	Proposal	1
1.4	About	1
2	Project	2
2.1	Description	2
2.2	Software	2
2.3	Hardware	2
3	Timeline	3
3.1	Timeline summary	3
3.2	Timeline detailed	3
3.2.1	Community Bonding Period (May 1st - May 26th)	3
3.2.2	Coding begins (May 27th)	3
3.2.3	Milestone #1, Introductory YouTube video (June 3rd)	3
3.2.4	Milestone #2 (June 10th)	4
3.2.5	Milestone #3 (June 17th)	4
3.2.6	Milestone #4 (June 24th)	4
3.2.7	Milestone #5 (July 1st)	4
3.2.8	Submit midterm evaluations (July 8th)	4
3.2.9	Milestone #6 (July 15th)	4
3.2.10	Milestone #7 (July 22nd)	4
3.2.11	Milestone #8 (July 29th)	4
3.2.12	Milestone #9 (Aug 5th)	4
3.2.13	Milestone #10 (Aug 12th)	4
3.2.14	Final YouTube video and work upload to GSoC site (Aug 19th)	4
3.2.15	Final Submission (Aug 24nd)	4
3.2.16	Initial results (September 3)	4
4	Experience and approach	5
4.1	Contingency	5
4.2	Benefit	5
4.3	Misc	5
4.4	Suggestions	5

Chapter 1

Introduction

1.1 Summary links

- **Contributor:** [Ayush Singh](#)
- **Mentors:** [Jason Kridner](#), [Vaishnav Acath](#)
- **Code:** [Google Summer of Code / greybus / cc1352-firmware](#) · [GitLab](#)
- **Documentation:** [Ayush Singh / docs.beagleboard.io](#) · [GitLab](#)
- **GSoC:** [Google Summer of Code](#)

1.2 Status

This project is currently just a proposal.

1.3 Proposal

Please complete the requirements listed on [gsoc-contributor-guide](#) and fill out this template.

1.4 About

- **Forum:** [u/ayush1325](#) ([Ayush Singh](#))
- **OpenBeagle:** [ayush1325](#) ([Ayush Singh](#))
- **IRC:** [jkridner](#) ([Jason Kridner](#))
- **Github:** [jadonk](#) ([Jason Kridner](#))
- **School:** [Greatest University](#)
- **Country:** [Worldistan](#)
- **Primary language:** [Igpay Atinlay](#)
- **Typical work hours:** 8AM-5PM US Eastern
- **Previous GSoC participation:** [G](#) N/A

Chapter 2

Project

Project name: About my super cool project.

2.1 Description

In 10-20 sentences, what are you making, for whom, why and with what technologies (programming languages, etc.)? (We are looking for open source SOFTWARE submissions. By the way, Verilog for programming an FPGA is considered software by us.)

2.2 Software

Which software or technology stack are you going to use to complete this project.

2.3 Hardware

A list of hardware that you are going to use for this project.

Chapter 3

Timeline

Provide a development timeline with 10 milestones, one for each week of development without an evaluation, and any pre-work. (A realistic, measurable timeline is critical to our selection process.)

Note: This timeline is based on the [official GSoC timeline](#)

3.1 Timeline summary

Date	Activity
February 26	Connect with possible mentors and request review on first draft
March 4	Complete prerequisites, verify value to community and request review on second draft
March 11	Finalized timeline and request review on final draft
March 21	Submit application
May 1	Community Bonding Period (May 1st - May 26th)
May 27	Coding begins (May 27th)
June 3	Milestone #1, Introductory YouTube video (June 3rd)
June 10	Milestone #2 (June 10th)
June 17	Milestone #3 (June 17th)
June 24	Milestone #4 (June 24th)
July 1	Milestone #5 (July 1st)
July 8	Submit midterm evaluations (July 8th)
July 15	Milestone #6 (July 15th)
July 22	Milestone #7 (July 22nd)
July 29	Milestone #8 (July 29th)
August 5	Milestone #9 (Aug 5th)
August 12	Milestone #10 (Aug 12th)
August 19	Final YouTube video and work upload to GSoC site (Aug 19th)

3.2 Timeline detailed

3.2.1 Community Bonding Period (May 1st - May 26th)

GSoC contributors get to know mentors, read documentation, get up to speed to begin working on their projects

3.2.2 Coding begins (May 27th)

3.2.3 Milestone #1, Introductory YouTube video (June 3rd)

3.2.4 Milestone #2 (June 10th)

3.2.5 Milestone #3 (June 17th)

3.2.6 Milestone #4 (June 24th)

3.2.7 Milestone #5 (July 1st)

3.2.8 Submit midterm evaluations (July 8th)

Important: July 12 - 18:00 UTC: Midterm evaluation deadline (standard coding period)

3.2.9 Milestone #6 (July 15th)

3.2.10 Milestone #7 (July 22nd)

3.2.11 Milestone #8 (July 29th)

3.2.12 Milestone #9 (Aug 5th)

3.2.13 Milestone #10 (Aug 12th)

3.2.14 Final YouTube video and work upload to GSoC site (Aug 19th)

Submit final project video, submit final work to GSoC site and complete final mentor evaluation

3.2.15 Final Submission (Aug 24nd)

Important: August 19 - 26 - 18:00 UTC: Final week: GSoC contributors submit their final work product and their final mentor evaluation (standard coding period)

August 26 - September 2 - 18:00 UTC: Mentors submit final GSoC contributor evaluations (standard coding period)

3.2.16 Initial results (September 3)

Important: September 3 - November 4: GSoC contributors with extended timelines continue coding

November 4 - 18:00 UTC: Final date for all GSoC contributors to submit their final work product and final evaluation

November 11 - 18:00 UTC: Final date for mentors to submit evaluations for GSoC contributor projects with extended deadline

Chapter 4

Experience and approach

In 5-15 sentences, convince us you will be able to successfully complete your project in the timeline you have described.

4.1 Contingency

What will you do if you get stuck on your project and your mentor isn't around?

4.2 Benefit

If successfully completed, what will its impact be on the [BeagleBoard.org](https://beagleboard.org) community? Include quotes from [BeagleBoard.org](https://beagleboard.org). community members who can be found on our [Discord](https://discord.com/invite/beagleboard) and [BeagleBoard.org](https://forum.beagleboard.org) forum.

4.3 Misc

Please complete the requirements listed in the [General Requirements](#). Provide link to merge request.

4.4 Suggestions

Is there anything else we should have asked you?