

Table 1: Revision History

Date	Developer(s)	Change
28/9/2016	Amandeep	Added Git Workflow
29/9/2016	Taha Mian	Added development plans
30/9/2016	Victor Velenchovsky	Worked on Gantt Chart, Coding Style, and Technology

SE 3XA3: Development Plan

Title of Project

Team 12, DJS
Victor Velenchovsky - velech
Amandeep Panesar - panesas2
Taha Mian - miantm

September 30, 2016

Good planning is an essential part of solving any problem, also an essential part of the engineering process. To work as a team efficiently and effectively we have to have develop plans that we should follow, and assign roles to each member.

1 Team Meeting Plan

The team meetings will be held every week on Thursday at Thode Library. In the meetings the group will discuss problems, milestones due, and plan a schedule for the following week. If a team member fails to meet with the group or does not complete deliverables the team member will have to buy coffee for the team.

2 Team Communication Plan

The team will mainly communicate with each other through a group chat in facebook. The group chat will be used to notify the group any time someone commits on GitLab. We also have contact information such as phone numbers if anything urgent comes up.

3 Team Member Roles

Team member roles will be governed by these rules:

1. There will be no team leader in our group, because we believe in equality.
2. We will have a scribe in the group and that will be Amandeep Panesar.

3. We will try and make sure the work is evenly spread as possible between group members.
 - Victor specializes in Javascript and Git. He will focus on both back end design and implementation.
 - Amandeep specializes in documentation and using a server. He will focus more on the design and implementing a server.
 - Taha specializes in LaTeX and Javascript. He will focus on more of the front end design and implementation and the documentation

4 Git Workflow Plan

The team will begin working on the open source project on Gitlab with the single repository. The contributors for the project will attempt to commit often and will only push refined code to the master branch. However, the development code will be implemented in private branches which will be merged when bugs, and problematic code is fixed. In addition, the code should have frequent commits with small changes to avoid merge conflicts and large rollbacks.

5 Proof of Concept Demonstration Plan

The proof of concept demonstration will display the server and the front end of the system. The front end of the project will only allow you to pick and play one song and will not include the voting aspect of the project. For the server aspect of the demonstration the song selected will play through the external speakers. The goal of this demonstration is to get the frontend client communicating with the server side and will allow us to verify that the project is feasible.

6 Technology

The software will be designed with primarily Node.JS and traditional web technologies.

Server: Express.JS Back-end: Javascript (via Node.JS) Web-app: HTML/CSS/JS as well as jQuery/AngularJS/Handlebars UI: Bootstrap

7 Coding Style

We will be using the Javascript coding style found here. We are using this coding convention because the code looks clear and concise with minimal whitespaces making it to read debug the code. Its important for code to have a long life cycle and this is one of the most standard ways to present javascript code.

8 Project Schedule

[Click here to view Gantt Chart](#)

9 Project Review