

Table 1: Revision History

Date	Developer(s)	Change
February 5th 2020	Abdallah Taha	Added sections 1-3
February 5th 2020	Ali Tabar	Added intro blurb, section 4, revised grammar of other sections
February 5th 2020	Andrew Carvalino	Added section 7 and MacIDs
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SE 3XA3: Development Plan

Title of Project

Team 115, AAA Solutions
Abdallah Taha, tahaa8
Ali Tabar, sahraeia
Andrew Carvalino, carvalia

This document will provide detail on the development plan of AAA Solution's Tetris game. It includes a team meeting plan, plan of communication, list of the different members' roles, the workflow plan for working with Git, proof of concept demonstration plan, list of technologies being used, coding style, and a pointer to the Gantt chart of the project schedule.

1 Team Meeting Plan

AAA Solutions plans to meet through Discord voice chat once a week, on Fridays at 3:30 pm Eastern Standard Time, for at least 30 minutes. However, on weeks in which there is a deliverable due we will also meet Tuesdays at 4:30 pm Eastern Standard Time, for a period of at least 30 minutes. During these weekly meetings, Andrew Carvalino will be the scribe and is in charge of keeping a record of the meeting. The meeting chair will alternate between Abdallah Taha and Ali Tabar. Each week, we will alternate responsibility of writing down a statement of decisions made for the upcoming week.

2 Team Communication Plan

AAA Solutions will use primarily Discord for our main source of communication. When individually working on a deliverable, it will be common practice to include commit messages through git, to inform other team members on the progress that has been achieved.

3 Team Member Roles

Abdallah Taha: Team Leader, Full Stack Developer
Ali Tabar: Project Coordinator, Full Stack Developer
Andrew Carvalino: Scribe, Front-End Developer

4 Git Workflow Plan

Team members will individually work on their sections, though with constant dialogue and feedback between them at all times during the process. Once each team member is done, they will commit and push their changes, letting the other team members know. The other team members will first pull from the repo, before committing and push their own changes, too. A git pull should always be done before a member decides to commit their changes to the repo. Major changes to the code should be kept track of, however, such as drastic restructures or other large-scale edits. Whether a change is deemed to be big enough to be considered as a major one will be discussed by all team members. Major changes will be kept track of by making a branch to the repo, with git branch and git checkout.

5 Proof of Concept Demonstration Plan

We plan on putting together an initial prototype without functionality. We will develop a simple UI to demonstrate the presentation of our game. We will also in the future develop the game mechanics to work within terminal to prove that the game is functional.

6 Technology

Front-End: JavaScript, React
Back-End: Python, JavaScript

7 Coding Style

For development in JavaScript, the following styling guide will be used:
<https://github.com/airbnb/javascript/tree/master/react>
For development in Python, the following styling guide will be used:
<https://www.python.org/dev/peps/pep-0008/>

8 Project Schedule

The Gantt chart of our project schedule is located in this repo, at 3xa3-L01-group-15/ProjectSchedule/group115.gan.

9 Project Review