**Software Requirements Specification**

1. **Introduction**
   1. **Purpose**

Allow users to plan factory buildings in the Satisfactory Game. This tool would be available on Google Play Store, as there is currently no tool available. Users will be able to simply and intuitively use this tool, even if they are unfamiliar with specific mechanisms of the game.

* 1. **Intended Audience**

Users of the Satisfactory Game.

* 1. **Intended Use**

Planning factories based on users’ needs.

* 1. **Product Scope**

Implementation of features described in this document throughout the course of the school year. Learn and develop other features as desired, no strict scope.

* 1. **Definitions and Acronyms**

Satisfactory Game – Game made by Coffee Stain Studios available on the Steam store.

Steam – Game distribution service.

Factory (In-game) – a user defined collection of production buildings.

Factory (In-tool) – a full pipeline of production buildings from the desired start item to the desired end item.

1. **Overall Description**
   1. **User Needs**

This tool will process user input of desired item and number of those items per minute into a full production pipeline from the ore itself. Users will log in to the system to be able to save their factories for future use. Users will be able to edit the output directly and watch the factory pipeline change based on their input.

* 1. **Assumptions and Dependencies**

Users are generally familiar with the Satisfactory Game.

Users can understand a simple graph or spreadsheet.

1. **System Features and Requirements**

**Similar Tools**

Satisfactory Calculator: [[SCIM] Satisfactory - Calculator | Gaming Tool/Wiki/Database to empower the players.](https://satisfactory-calculator.com/)

Functionality: Resource map, Game progression, blueprints, workbench, interactive map, planners