# **Project Proposal**

Here is the proposal template, which must be validated by your lecturer before starting the development.

Replace grey text with your own information.

#### Project Title

CSV Analysis & Preprocessing Tools

#### Project Type

[ ] Game Project

[ O ] Resource Management Project

#### Team Members

CHHUN CHAMROEN, MEI VADHANAK, LENG LAYHOK

#### Project Description

It is a CLI tool that allows users to view CSV data, display statistics and analysis, allow basic preprocessing (cleaning), and prepare the data for machine learning models. After processing, users can export a clean version of the dataset.

#### Project Data

For input, we will have a CSV file import into the program. The CSV file will contains both numerical columns (quantitative data) and categorical columns (qualitative data).

For output, we have 2 files. We will have a copy of updated table (data) when user export it. The other file is also a csv file of statistics and analysis.

#### Project Features

List at least 5 core features your project will include.

We will have 5 options, and each option will have other functions. The main options will be included:

1. View data (View table)
2. Statistics and analysis
3. Preprocessing (Cleaning)
4. Data preparation
5. Export CSV (Data file + Analysis file)

#### Team Contribution Plan

Who is doing what? How will you divide the tasks?

* CHAMROEN: handle the option [2]
* LAYHOK: handle the option [3]
* VADHANAK: handle the option [4]
* Together, we do the option [1] and [5]

#### Additional information

Any diagram, draw to illustrate your project if needed.