

SYST 17796

Deliverable 1

DESCRIPTION

Using the given base code which depicts a basic card game, form a group of **2 to 4 students** from your section and review the base code provided. You will find that it depicts the building blocks of a card game. There are classes that represent the Cards, the selection of a “hand” and the framework for the playing of the game. As we move through the term you will slowly extend this code base and refactor the code into a card game of your choosing. This means any game that is played with cards is eligible for the project. Some ideas are:

- Go Fish
- War
- Uno
- Skip-Bo
- Spot It
- Blackjack

You can also choose a game that is not on the list. More advanced students can choose a game with more difficult logic (e.g. Uno). There is no **graphical user interface** required.

After you have chosen your group and decided upon a game, complete the **Team Contract** provided in a separate document and integrate it into your submission.

Next, create a **Git repository** for your project group and store the base code in your repository. It can either be a public repository OR you can get a student license for a private repository through GitHub Education (link provided). You must add your instructor as a contributor if you choose the private option. The information necessary to access the Git repository will be provided in the Design Document Template.

Next, create the **UML domain class diagram** that correctly depicts the current code. Make sure you use a CASE tool such as Visual Paradigm.

Finally, complete the **Design Document Template** for the current base code AND your chosen game and integrate it into your submission.

SUBMISSION

Please submit **one PDF document per group**. This means that the document should be professionally organized and have a uniform style throughout. It should look as though it came from one team, not 4 separate students. Please note that instructors may choose to run your submission through TurnItIn or compare the submission with other students from other sections for academic integrity purposes. Please take the time to properly cite your sources.

FINAL DOCUMENT LAYOUT

One PDF with the following sections denoted using page numbers, headers and a table of contents:

- Team Contract
- UML Diagram
- Design Document Template (note that the work you complete in setting up the Git repository will be referenced here and you will provide information on how to access your Git repository here).

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