

SCMA 241

# **Mini-Project Guideline**

# Mini-Project Guideline

- Each group consists of 3 people.
- The project must be complicated enough that all members can contribute during design and implementation periods.
- The program should consist of 10-15 functions.
- A short report about the project must be submitted.
- Each group must prepare 10-15 minutes presentation.

# Timeline

- Submit group members **[1st week]**
- Submit the title/description **[Oct 28th]**
- Design + Implementation **[3rd-5th week]**
- Submit group report and code **[Nov 21]**
- Presentation **[Nov 21&24]**

# Plagiarism

- Please take **plagiarism** seriously.
- If plagiarize, the group will get zero score and may face a disciplinary punishment.

**WARNING**

# Examples

- Hangman game
- ODE solver
- etc.

# Report

- Motivation and objectives [1-2 paragraph(s)]
- Description of the program [1-2 page(s)]
- Flowcharts and descriptions [7-10 pages]
- Python code (**please always put comments!**)
- The report should not exceed 15 pages in length, excluding the code.

# Presentation

- 15 minutes + 5 minutes Q&A
- Motivation, objectives, and designs
- Program demonstration
- Everyone should participate

# Grading (15 pts)

- Program [originality, technicality, readability]
- Presentation [clarity, participation]
- Report [clarity, completeness]