

# Manarat International University

Department of Computer Science and Engineering

Software Development (CSE-312)

Instructions for Software Development Project

## Objective

The programming projects constitute the most important, time-consuming, and fun part of any programming course. The objective of this project work is to teach the student to apply the learned programming and development skills, tools and techniques to design and build a software project which solves a real-life problem.

## Steps

1. Make a Team
2. Submit Project Proposal
3. Develop the software within the project timeline
4. Maintain source code in Git repository
5. Submit Project Report & Project Video
6. Prepare for presentation (if selected)

## Time Line

Last Date of Team Formation: 15-02-2021

Project starts: 16-02-2021

Last date of accepted submission: 31-03-2021

Duration: 44 days

## Team Formation

Team can be formed up within 1 to 2 students. No mix-gender group is allowed.

## Project Proposal

Length: Your project proposal should be between 2 - 3 pages.

Suggested Structure: It should be submitted in A-4 size, Times New Roman, Font size-12 with a front and cover page.

## Front Page

- Name of the Team
- Project GitHub repository (with clickable link)
- Student Name, ID
- Project Title & Category: Desktop Software, Mobile App, Web-based

## Content

- Project Description: Describe the programming languages, framework, platform, libraries
- Features
- Contribution: Describe the role of each participant

**Submission:** Please submit your proposal as a PDF on [Dropbox](#).

**Important Rule:**

1. Only one person of your team should submit.
2. All source code should be uploaded and maintained in the git repository.
3. Source code should be proper documented.
4. Only one project in any given framework is allowed. The team which submitted the proposal first will break the tie.

**Honor Code**

Please respect the spirit of the project

Please do not

- (a) Do not cheat.
- (b) Copy other groups' code or incorporate their code into your project.
- (c) Try to contact with the instructor through phone or social media (especially applicable for Shariful Islam)

**Notes:**

1. Selected group should present their project into the class.
2. For any question ask [here](#)
3. Instructions for Project Report & Video presentation will be provided later.

**Grading Policy**

1. Project is graded based on
  - I. Source code in Git (style, commit)
  - II. Features
  - III. Library, Framework
  - IV. Project Proposal & Report
  - V. Video Presentation
2. Solving other peoples' issues will be considered for earning extra credit.

**Prizes**

The best team will be rewarded by a special prize