Project 2 Planning Exercise

Prepared by Nasreddine Hallam

This project planning exercise is part of the project 2 development process and therefore is graded. You must be present in the lab and collaborate with other members of your group to finish it. Only the group leader can submit this exercise.

Project theme: The Documentary Movie

Group members:

Dany, Makhoul, 1811257 (leader)

Christopher, Dagenais, 2031667

Minh Duc, Hoang, id

Michael, Obadia, id

# Objectives:

* Understands the necessity of a project plan
* Examine the project specifications
* Determine the project scope and limits
* Identify project deliverables
* Set up an environment for coordination and collaboration between team members

# Understanding the problem

Carefully read the project specification and try to answer the following questions:

1. Will you be using front-end web development?

Yes.

If yes, what are the development/coding technology will you be using?

We will be using html and css for front-end.

1. Will you be using back-end web development?

Yes.

If yes, what are the development/coding technology will you be using?

Python/Django/Javascript

1. What theme did you choose for your project?

The Documentary Movie

1. State the four applications of your project and briefly describe their corresponding functionalities

Administration: Used to manage the four groups of users.

User Management: Used to manage member users and visitors.

Messaging: Used to manage communication between member users.

Item Catalog: Used for main user operations such as transactions.

1. Enumerate the main FIVE users (and their groups) of the system (Project)

User\_manager1, User\_manager2: Admin\_user\_grp

Item\_manager1, Item\_manager2: Admin\_item\_grp

Super\_user: Admin\_super\_grp

1. For each user of the project, enumerate their major tasks/functionalities they will handle.

Or optionally, draw a (very simplistic) use case diagram

Admin\_user\_grp: add/delete/block/warn members

Admin\_item\_grp: add/delete/change items

Admin\_super\_grp: manages all registered users

# Project planning

1. In your own words, why do you think a project plan is necessary for this project? You may answer this question after you finish the whole exercise.

To ensure the understanding of the project by all members. The project is a large task, and therefore must be planned in an efficient manner to allow for seamless progress to be made.

## Project task analysis and decomposition

1. What is the problem or purpose this project needs to address?
2. List down the major tasks that make up your project

Developing the administration app.

Developing the user management app.

Developing the messaging app.

Developing the item catalog app.

1. Break down the project into elaborated tasks (you do not have four major tasks only)

* Creating html pages
* Styling the html pages
* Create models for each app.
* Create views for each app.
* Create relational database for project.
* Create tables including: users, items, roles, messages, logs
* Add ability to add/delete/modify user groups
* Ability to add/delete/block/warn members
* Ability to add admins for superuser
* Ability to add/delete/change items
* Login
* Reset Password
* Notifications
* Upload to Heroku
* Like/rate/flag
* Post Comments
* View Details
* Browse/Filter/Search items through different visual formats

1. For each major task, break it down into more detailed task.

Developing the administration app.:

* Add ability to add/delete/modify user groups
* Ability to add/delete/block/warn members
* Ability to add admins for superuser

Developing user management app:

* Login
* Reset Password
* Notifications
* Create Profile

Developing the messaging app.

* Tables for messages
* New message notification

Developing the item catalog app.

* Add/delete/modify items
* Like/rate/flag items
* View Details
* Post Comments
* Browse/filter/search
* Change visual format

1. You may draw a **Project Hierarchy Diagram** for the project tasks where:
   1. the root is the Project
   2. the leaves are detailed tasks
   3. Limit the depth of the tree.

## Tentative Task Scheduling

1. Identify tasks are independents (and therefore can be concurrent)

Front-end

Messaging app:

Functionality for notifications

Private messages

Item Catalog:

Filter/Search/Browse

Post Comments

1. Identify Which tasks are dependents upon (completion) of other tasks

Everything depends on Database Creation

User Creation depends on Super User Creation

Item Creation depends on Item Manager Creation

1. Estimate how much class time you can allocate to this project

12-15 hours

1. Estimate how much non-class time you can allocate to this project

12-15 hours

1. Draw a tentative schedule. You can use **Gantt chart diagram**. Remember, tasks that are independent can be scheduled concurrently.
2. Assign team members to tasks.

## Project deliverables

These are specific products that will be produced by the project.

1. Enumerate all possible deliverables for this project (including this exercise).

* ReadMe
* Zipped folder containing source code
* Link to Heroku
* Git Repository
* Weekly Reports
* This Exercise

## Code Project deliverables

These are specific products that will be produced by the project.

1. Enumerate all possible deliverables for this project (including this exercise).

* Zipped folder containing source code:
  + Four applications folders
  + .gitignore
  + Readme
  + Database Module
  + Html files

## Setting up a collaborative environment

1. Appoint a group leader

Dany

1. Briefly, enumerate the responsibilities of the group leader
   1. Only the group leader can communicate with the instructor via MIO.
   2. Assign tasks to group members
   3. Schedule meetings between group members.
   4. Ensure progress for each task.
2. Enumerate the responsibilities of the other group members
   1. Keep up to date with current tasks
   2. Report problems/progress to group leader/other members
3. List communications means you plan to use between the group members
4. Mainly Discord
5. In class
6. Do you need to have meetings during the project development?

If yes how many?

Yes, one meeting per week in the lab

If necessary, discord will be used.

If yes, did you schedule them?

Thursdays

1. Create a git repo with your group members of your project.  
   include your instructor to your repo and send them the URL by MIO.  
   Send them the URL using MIO.

<https://gitlab.com/Dany.Makhoul/project2>

1. Each member of the group should handle a project app, and therefore must use the feature branch model and open a Merge Request.

Administration – Christopher

User Management – Minh Duc

Catalog – Dany

Message - Michael

1. Appoint one group member (or the project leader) to review merge requests and approve if appropriate.

Dany