

HAPPY PROGRAMMING

Project Assignment Requirement

– Hanoi, May 2021 –

Table of Contents

1. Introduction	3
2. Functional Requirements.....	3
a. Overall Description	3
b. Public Feature	4
c. Common Feature	4
d. Mentee Feature	4
e. Mentor Feature	4
f. Admin Feature	4
3. Other requirements	4
a. Functional detail	4
b. User Input data formats	5

1. Introduction

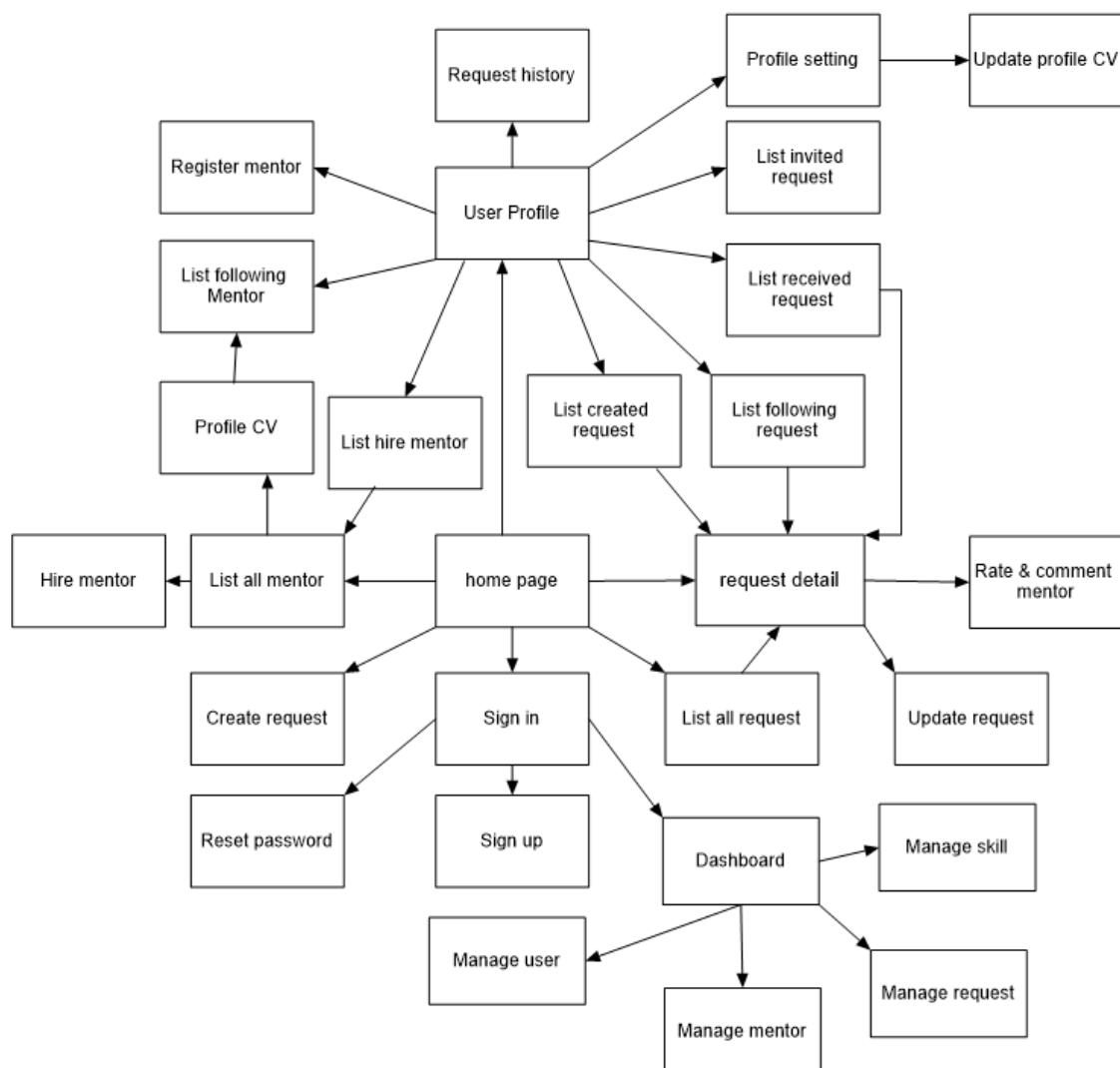
This project is aimed at developing an **online Happy Programming system** which mainly to allow **mentors, mentees and other actors** to **connect online** and **support mentee to learn programming**. This system support for the below types of user

- **Guest:** unregistered users
- **Registered User:** The user that has registered an account
- **Mentee:** The registered user wishes to **hire mentors**
- **Registered Mentor:** The registered user that has **registered to be a mentor**
- **Admin:** the **organization leader/manager**, acts as the **system administrator**

2. Functional Requirements

a. Overall Description

The to-be-developed system includes the 5 features with the functions for each feature are listed in the beneath sections. It needs to provide **XXX** user screens with the flow as the following diagram. The details for each screen/function are provided in the attached Excel file (**HappyProgramming_Functions.xlsx**)



b. Public Feature

This feature includes the screens **used for the Guests**, as listed below

- **Home Page**: the starting page of the system
- **Sign up**: allow Guest to register new user into the system, **verified by the registered email**
- **View all mentors**: list of mentors
- **View CV of mentor**: show the CV of the mentor
- **View rating and comment about a mentor**: show rating and comment about a mentor
- **Search mentor**: Allow Guest user to search mentor
- **View all skills**: Allow Guest user to view all skills of a mentor

c. Common Feature

The common functions/screens used for **all types of users**, as listed below

- **Sign in**: authenticate the user to give him/her to access authorized features later on
- **Reset Password**: use in case the user forgot his/her password
- **Change Password**: change user's login password
- **User Profile**: **view & edit/update** user profile
- **User Authorization**: authorize user into the system functions based on his/her role

d. Mentee Feature

This includes the screens used for **system customers**, as listed below

- **Create request**: for Mentee to **create** his/her request
- **Update request**: for Mentee to **update** his/her request
- **List all request**: for Mentee to **view** all his/her requests
- **Statistic request**: for Mentee to **view statistic** of all his/her requests

e. Mentor Feature

This includes the screens used for **marketing members**, as listed below

- **View list all invited requests belong to the Mentor.**
- **Create CV** of Mentor
- **Update CV** of Mentor
- **Statistic** of all request belong to the Mentor.

f. Admin Feature

The Admin feature includes the screens used for the **organization manager and system administrator**, as listed below

- **Statistic all request**: view general statistics & trends about the request-related data.
- **List all request of all Mentee.**
- **Statistic of all Mentee.**
- **List all Mentee**
- **Mentee Detail** view the details of a specific Mentee
- **Mentor List**: **list, filter, search, show, hide, view, add new or edit** existing Mentor(s)
- **Mentor Details**: view the details of a specific Mentor

3. Other requirements

a. Functional detail

- functional details in the attached Excel file **HappyProgramming_Functions.xlsx**

b. User Input data formats

The types & format (length, validation, etc) of the input data are suggested by the project team and need to be mentioned clearly in the analysing & designing documents.

- Those must be agreed by the supervisor (teacher) before implementing.
- Once agreed, those must be implemented accordingly in the software input validating, data showing and in the system database.