

# **Internship Documentation.**

## **Pre-Requisites:**

To begin your internship project journey, you must first complete all the training courses we have provided. Your first task is to set up the project files on your computer's local storage. You'll find detailed setup instructions and directions on the internship project course's index page. This project will use Flask for the backend programming, while HTML, CSS, and JavaScript will handle the frontend design and functionality.

We have prepared a project template that is available to all participants. You can download this setup file directly from the course index page and extract the zip file and open it in the visual studio for completing the further designing of the website. The project consists of 12 different webpages that, when put together, will form a complete website. This structure allows you to understand how different pages connect to create a full website. Once you understand the template, you can use your creativity to design similar webpages with your own ideas and style.

After completing your website, you'll have the opportunity to share your work with others by deploying it through your GitHub account. This hands-on experience will help you learn web development from start to finish, including how to make your website accessible to everyone on the internet. We encourage you to be creative while following the basic structure provided in the template.

## **General Instructions:**

The website will have the two pages accordingly as one is the Internship Dashboard and other page is the Code-Editor page.

### **1) Internship Dashboard:**

This page consists all the pages of the Internship Project given to you and each page will have different functionalities. The dashboard page will have the Sidebar and the main content components.

The Sidebar will give you the overview of the Internship Program where you will have the Project

Name, Project Description, Skills Required, Framework, IDE, Project Video, UI/UX design, Internship Overview.

- i. **Project Name:** HireMe Web Application.
- ii. **Project Description:** This project is for the Hiring the Candidates based on the requirements that are being posted by the recruiters. The students can apply to the desired company according to their desired package. The recruiters can select the students who matches with the requirements.
- iii. **Skills Required:**
  - a. HTML
  - b. CSS
  - c. Java Script
  - d. Python
  - e. SQL
- iv. **Framework:** Flask
- v. **IDE:** Visual Studio Code (VS Code)
- vi. **Project Video:** In this sidebar section you will have a sample demo video of the working of the Internship project.
- vii. **UI/UX design:** In this section you will be able to view the Figma design of the project.
- viii. **Internship Overview:** In this section you will be able to view the Internship Project. There are three sections in the Internship Project they are as follows:
  - a. **Project Setup Page:** Here in this page, you will have the instructions how the project file must be set up to execute the project.
  - b. **Project Webpages:** Here in this section, you can view the pages that are being developed in the Internship Project. There are 14 pages which has to be designed and developed they are as follows:
    - i. Database Setup Page
    - ii. Index/ Landing Page
    - iii. Student Register Page
    - iv. Recruiter Register Page
    - v. Create Job Page
    - vi. Recruiter Login Page
    - vii. Recruiter Home Page
    - viii. Student Login Page
    - ix. Student Home Page
    - x. Job Details Page
    - xi. Recruiter Job Details Page
    - xii. Recruiter Forgot Password Page
    - xiii. Student Reset Password Page
    - xiv. Report Page
  - c. **Setup Project Web Pages:** In this section You have to setup the project in the project template

provided to you in the Project Setup as per the given instructions. You must Execute the code in the Visual Studio Code application only.

## 2) **Project Development Tasks:**

There are two pages which comes under the Project development tasks they are as follows:

- a) Project Setup File
- b) Web-Pages
  - i. Database\_setup
  - ii. Index Page
  - iii. Student Register Page
  - iv. Recruiter Register Page
  - v. Create Job Page
  - vi. Recruiter Login Page
  - vii. Recruiter Home Page
  - viii. Student Login Page
  - ix. Student Home Page
  - x. Job Details Page
  - xi. Recruiter Job Details Page
  - xii. Recruiter Forgot Password Page
  - xiii. Student Reset Password Page
  - xiv. Report Page

### a) **Project Setup File:**

In this page the user will be having the instructions for setting up the Project file which is being provided in the website. The user has to setup the project file in their respective local storage using the Visual Studio Code(vs code).

### b) **Web-Pages:**

#### **Database\_setup:**

The user will be having the four tables that must be developed by them. Each table has the unique feature in the Internship Project. The four different tables are as follows:

- i. Students
- ii. Recruiters
- iii. Student\_applications
- iv. Job

In this page you will have to write the SQL code for doing the CRUD operations. There are four tables that are being displayed above. Once you write the code and click on

the Run code button which is given for checking the whether the given requirements are being satisfied or not. If the requirements that is being classified then the user will be allowed for the submission of the user written code. If the user writes and submits all the table's code. In the last table the user writes and submits the whole code then they are allowed to get their result of the Code written by them and they can copy their code from the Exskilence internship program website and paste it into the vscode file named hireme.db and they can execute the query.

- i. **Students:** This table is used for the purpose of storing the students login data and the new students registering data. These data in this table it will be used for the user authentication.
  - ii. **Recruiters:** This table is used for the purpose of storing the data of the recruiters login data and the new recruiters creating their account or newly registering recruiters. These data is being used for the user authentication.
  - iii. **Job:** This table stores the new jobs that are being created by the recruiter.
  - iv. **Student\_applications:** This table is used for storing the data of the user application for the jobs and the new jobs. They can apply or do nothing it's based on the choice of the student. They can view the jobs that are being applied by them.
- b) **Web-Pages:** The user will have 5 editor tabs they are as follows:
- i. HTML
  - ii. CSS
  - iii. Java Script
  - iv. Python
  - v. App.py

The user has to write all the code in the respective code editors and the user have to submit each and every tab's code. In the last

tab that is app.py code tab, the user will write the full code and they click on the submit button and they can go the report page where they can view the submitted code and copy the submitted code and the scores for each tab can be viewed by the user.

The pages with the above tabs are given below:

- i. Index/ Landing Page
- ii. Student Register Page
- iii. Recruiter Register Page
- iv. Create Job Page
- v. Recruiter Login Page
- vi. Recruiter Home Page
- vii. Student Login Page
- viii. Student Home Page
- ix. Job Details Page
- x. Recruiter Job Details Page
- xi. Recruiter Forgot Password Page
- xii. Student Reset Password Page
- xiii. Report Page

## Instruction to the Page development.

### i. Database setup:

This page is being developed for the database where you have to store the data of the different tables as mentioned above in the previous stages. This page is very important in this project as without storing any data you cannot create a website. There will be many users where you have to give them the access to them for the logging in and you have to do the user authentication for both recruiters and the students. This page consists of the four different tables where each table consists different and unique properties. The four tables are as follows:

- a) **Students**
- b) **Recruiters**
- c) **Student\_applications**
- d) **Job**

**Students Table:** This table consists of the student details. The students who get registered to this website their data gets stored in this table. That data will be used for the user authentication where they can be allowed to the logging in the website and they can go the other student pages.

**Recruiter Table:** This table consists of the recruiter details. The recruiter who gets registered to this website, their data must be stored in this table. That data will be used for the user authentication where they can navigate to the recruiter pages.

**Student\_application Table:** This table consists of the details of the students applied for the jobs. The data that will be stored in this table is like the job details data. This will be used for the purpose of displaying the jobs that is being applied by the particular student and the jobs that are not being applied by that particular student.

**Jobs Table:** This table consists of the details of the jobs that are being created by the recruiter and the details of already existing jobs that are previously added by the recruiters. These data must be displayed to the recruiters.

ii. **Index/Landing Page:**

This is the homepage of the website where you will be having the two types of the login buttons where one is student login and the other is the recruiter login. The desired type of the user can go their respective pages through their respective logins. In this page there must be the list of the top companies that you trust and give the total number of companies that are being hired and the total number of active students.

In this page you have to display the company logo also that will be provided in the Setup page of the project where you download the project template and you have to run the code in the given template.

In this page you have four editors they are as follows:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **App.py**

In each editor you have different types of the operations that are being done. In HTML editor you will just design the template of the page. In CSS editor you will be styling the html template that you have designed. In Java Script editor you will be adding the functionalities to the HTML and CSS designed webpage. In App.py editor you will be

adding the navigation or the routing of the webpage.

iii. **Student\_register Page:**

In this page you have to design in such a way that the student has to create an account in the website and they have to use those credentials for the further navigation of the website.

In this page you will have five editors they are as follows:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

iv. **Recruiter\_register Page:**

In this page you have to design in such a way that the recruiter has to create an account in the website and they have to use those credentials for the further navigation of the website.

In this page you will have five editors they are as follows:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the recruiter register page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML.

In the Java Script you will be adding the functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

v. **Create\_Job Page:**

In this page you have to design a webpage for the purpose of the creation of the job details to the recruiter. There are five editors in this page:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the create job page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

vi. **Recruiter\_login Page:**

In this page you have to design a webpage for the purpose of the allowing the recruiter to go to the recruiter pages. There are five editors in this page:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the recruiter login page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the



functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

vii. **Recruiter\_home Page:**

In this page you have to design a homepage for the recruiter where they can get the details of the jobs they posted to the students. There are five editors in this page:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the recruiter home page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

viii. **Student\_login Page:**

In this page you must allow the student to navigate to student pages. In this page you must do the user authentication also as there may be the user who may or may not be created the account by entering their details. You must allow the user who have priorly created the account in the website.

In this page you have five editors they are as follows:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the student login page in the website. In each code

editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

ix. **Student\_home Page:**

In this page you have to design a homepage for the student where the student can apply the job or they may not apply for the job. In this page you must display the jobs that are being posted by the recruiters.

In this page you will have five editor pages:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the student home page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields. In Python you will be having the backend code for storing the entered data by the user. In App.py editor you will be writing the routing logic for the navigating from one page to other.

x. **Job\_details Page:**

In this page you will be designing the webpage for displaying the details of the particular job that is being posted by the recruiter.

In this page you will have four editors they are:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the job details page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields. In App.py editor you will be writing the routing logic for the navigating from one page to other.

xii. **Recruiter\_job\_details Page:**

In this page you will be designing the webpage for displaying the details of the particular job that is being posted by the recruiter.

In this page you will have four editors they are:

- a) **HTML**
- b) **CSS**
- c) **Java Script**

Here in the above stated editors. You have to write the code for the purpose of the developing the recruiter job details page in the website. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you have to add the styling to the template that you have designed using HTML. In the Java Script you will be adding the functionalities for the buttons and the required fields.

xii. **Recruiter\_forgot\_password Page:**

In this page you will be designing the webpage for resetting the password for the recruiter. This page is allowed only for the users who have their account in the website.

In this page you will have five editors they are:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of the developing the

recruiter forgot password page to reset the password for the recruiter. In each code editor you have to develop a unique functionality. In the HTML editor you design the template of the page. In CSS editor you will add the styling for the designed template. In Java Script editor you will add the functionality for the buttons and the required fields. In Python editor you will be writing the code for storing and fetching the data from the backend. In App.py editor you will be writing the routing logic for the navigating from one page to the other.

xiii. **Student\_reset\_password Page:**

In this page you will be designing the webpage for changing the student password. This page is allowed only for the users who have their account in the website as student.

In this page you will be having five editors they are:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in the above stated editors. You have to write the code for the purpose of developing the student reset password page to reset the password of the students. In each code editor you have to develop the unique properties. In HTML editor you be designing the template of the webpage. In CSS editor you will adding the styling to the webpage. In Java Script editor you will be adding the functionality of the buttons and the required fields. In Python editor you will be writing the backend code for storing the data and the fetching the data from the backend. In App.py editor you will be writing the code for the routing logic for the navigating from one page to another.

xiv. **Report Page:**

In this page you will be designing for displaying the status of the job applications report to the user. Here you will be displaying all the jobs that are being created by the user and the status of it that is applied or not applied.

In this page you will be having five code editors they are:

- a) **HTML**
- b) **CSS**
- c) **Java Script**
- d) **Python**
- e) **App.py**

Here in this page, you will be designing the webpage for the purpose of the displaying the job application details of the job posted by the recruiter. In the code editors you be designing various functionalities. In HTML editor you will be designing the template of the webpage. In CSS editor you will be adding the styling of the webpage. In Java Script editor you will be adding the functionality of the buttons and the required fields. In Python editor page you will be writing the backend code for storing and fetching the data from the backend. In the App.py editor you will be writing the routing logic for the purpose of navigating the user from page to page in the Internship Project.