Project- Interview Dashboard (PY21IDB)

Expected Time to Complete Project – 15 working days

Step No.	Step Title	Submission	Time
1	Study the documentation provided	Synopsis	
2	Make problem statement	Statement	
3	Make a flow diagram to solve problem statement	Image/document	
4	Create a layout design	Image/document	
5	Write a project planning report	Report	On 4th day
6	Assessment of planning report		
7	Create django project and app	Github Entry	
8	Add views and templates	Github Entry	
9	Create user/s.	Github Entry	
10	Create models and database	Github Entry	
11	Code for complete front end	Github Entry	
12	Write all views and connect to front end	Github Entry	
13	Test-I Test the project for all connections and functions, database	Test Report(opt)	
14	Make necessary corrections	Github Entry	
15	Test-II Test again for the corrections made	Test Report(opt)	
16	Assessment I		
17	Rework, modifications as per Assessment I	Github Entry	
18	Assessment II		
19	Rework, modifications as per Assessment II	Github Entry	
20	Make documentations of project	Document	On 15th day
21	Report writing	Report	On 15th day

* You have to create a github repository for respective project with project name. Keep that directory as ‘Public’, so we can access it. You have to commit your code after each step/day to the repo. The committed code will be verified with your daily/weekly report.

** The submission of reports should be done through email. Send them to ‘internship@learntricksedutech.com’, with project id and report title as subject of mail. And the zip file of code after completion of project should be submitted through portal.

*** If you have any queries/doubts ask through the query section.

Description of Tasks:

Note:- We have provided you the basic training of the technology. It is upto you how to use it. If there is any need of other tools, technology then you have to learn it from our site or from anywhere else.

Step 1 –

In this project you have to create a desktop application based on python framework. The application is to be used on different computers by the HR department and other authorities. The computers may or may not be in network, so you have to develop it accordingly. The data collected should be stored at same database, and can be accessed by admin and/or the users of the system.

The main use of the application is to maintain live track and record of the candidate/employee hiring process.

The operator will enter all the details as provided. And the concerned user will be notified through the mail.

The fields are-

1. Name of candidate
2. Technology
3. Post
4. Candidate Contact Number
5. Candidate Email id
6. CV of Candidate
7. Available for
8. Scheduled Date
9. Scheduled Time
10. Interviewer Name
11. Interviewer mail id
12. Scheduled by
13. Status
14. Remark
15. Company/Department Name

As the operator fills all the data and submit it a mail should be sent automatically to the interviewer regarding the details of interview.

Step 2 –

Write a problem statement – what your application is supposed to do, what type of inputs it will take and what outputs it will show.

Step 3 –

Draw a flow chart for the sequence of operations/steps followed by user or the application from starting the application to a successful entry. Mention all the processes, loops in it. If there are many processes to be used make separate flow chart for each process.

Step 4 –

Draw a general layout for the flow of processes, data etc. Make is as per the sequence of operations. You can give numbers to the operations sequence.

Step 5 –

Write a detailed project planning report. The project planning report should contain following points:

1. Outcomes of the project (What the product will able to do?).
2. The flow diagram.
3. Detailed project planning with the estimated time.
4. Concept design of the UI/UX screens.

Step 6 –

Your project planning will be assessed. If any modifications are necessary you will be updated on it. You have to make changes as per it.

Step 7 –

You are going to use Django frame work of Python. Create a project in django, create an app in it. Make connections in between project and app.

Step 8 –

Add the views and the templates as per requirement of project. Use proper names to views and html pages. Here you can add bootstrap, css if you want.

Step 9 –

Make the migrations and create a super user. Check the admin panel. Create users if your plan says so. In this project there are two types of users, Admin and operators(users). The admin is able create users, monitor, edit delete the users and records (More than one admins need to be provided). While the operators are able to make entries, edit and see all records only. The operators are not allowed to delete records.

Step 10 –

Create your models in models.py file as per the data to be entered or saved. Register them in admin. Make the migrations and check the database.

Step 11 –

Write the codes for your front end. You can use readymade templates, bootstrap, css, etc for it.

Step 12 –

Write all the functions in the views.

Step 13 –

Test your project from start to end. Check the entries in database.

Step 14 –

If any error occurs, solve it. Also make any modifications needed in front end or back end.

Step 15 –

Test the complete project from beginning to the analysis of the data. Test it as per your flow diagram and with the possibilities the user can attempt.

Step 16 –

When the complete project runs as plan, send it for the assessment to respective team. The team will assess it and suggest any corrections, modifications, additions are necessary.

Step 17 –

Make the corrections, modifications are suggested by the assessment team.

Step 18 –

Send the newer version of project to the assessment team for assessment II.

Step 19 –

Make the modifications, rework suggested by the assessment team.

Step 20 –

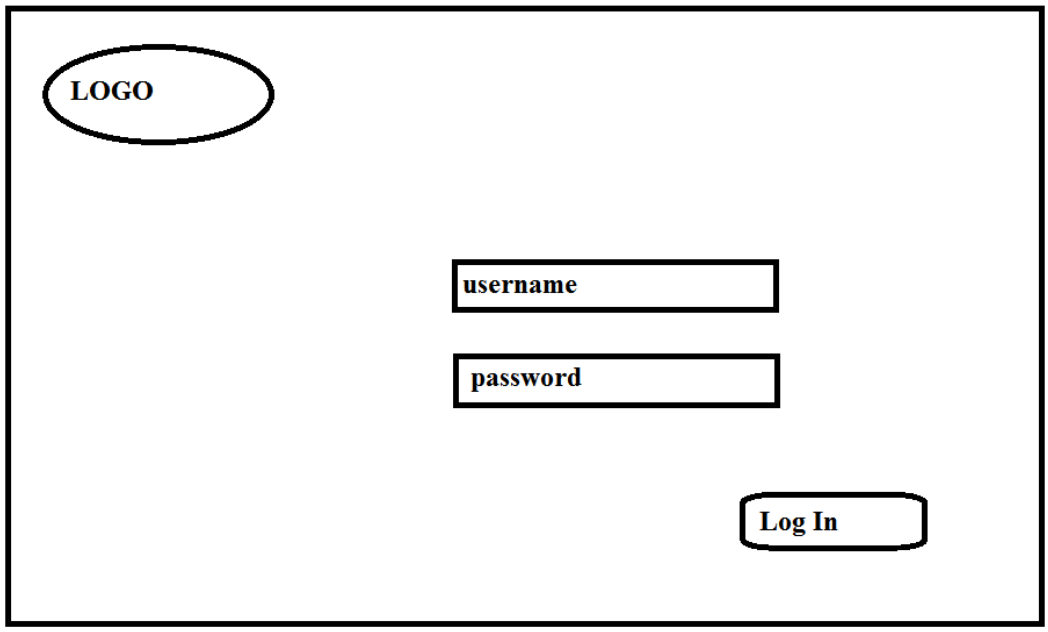
After the assessment team approves your project as ‘OK’, write a technical documentation for user. The documentation should consist of required hardware, software for operating the app. If there is any installation needed, provide step by step guide for the installation. List down the standard operation procedures for project.

Step 21 –

Write a detailed report of the project. The report should contain, synopsis, introduction of project, flow diagrams, libraries, framework used, algorithms used, positive and negative cases of evaluation testing with screen shots. And submit it with the code.

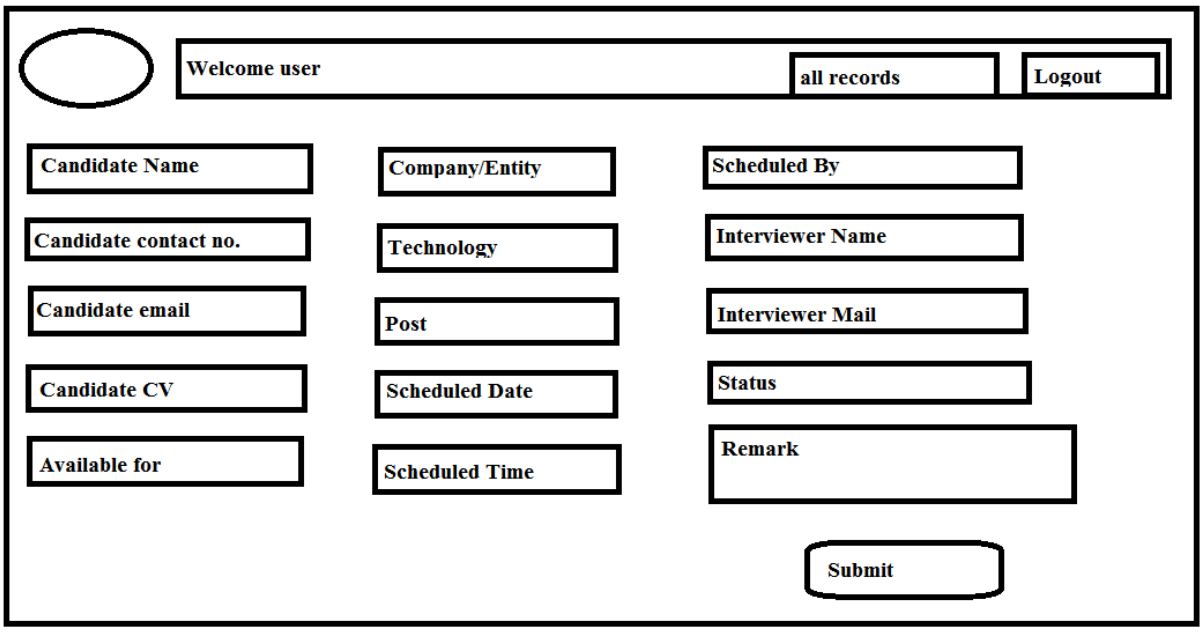
Page Layout :-

1. Login Page



The admin and operators login from here. Provide a logout button on every page.

2. Home



After login the user will be moved to this page. Here the user can select which part to operate.

All Records- the user can see all the records stored in database.

Candidate Name- Name of the candidate

Candidate contact number, Email (number and email field)

Candidate CV- Attach/upload the cv/resume of candidate(file field)

Available for (choice field)- Work type In office or Work from home.

Company/Entity- (text)For which company/entity hiring?
Technology- (text field) Name of technology.
Post- text field
Scheduled Date, Time- Date and time of interview. (Date and time fields)
Scheduled By- Name of person who scheduled the interview.
Interviewer Name, Email- Name and email id of interviewer. An email should be sent to the interviewer about the interview. The details to send in mail- Company name, Candidate Name, Technology, Post, CV, Available for, Scheduled date and time.
Status- (Choice field) Status of interview (Candidate Showed up or Not.)
Remark- (Text) Remark by the Interviewer.

As the operator submits the information a new record should be created in the database, which can be accessed and exported whenever needed.