

## Criterion B- Record Of Tasks

Task Number	Planned Action	Planned Outcome	Time Estimated	Target Completion Date	Criterion
1	Research and identify a suitable client who has a genuine software need	Approach almost a dozen known people amongst family and friends for potential client. Identified client (Ms. Gloria Benny) who is founder of an NGO	2 Weeks	31-Mar-23	Planning
2	Preparatory discussion with Client	Set expectations with client over a call for a formal Interview to follow and schedule a zoom meeting.	10 minutes	01-Apr-23	Planning
3	Client Interview - 1	Client to detail the organization functioning, current processes and the software requirements for me to consider. Date set for a follow-up interview.	20 minutes	03-Apr-23	Planning
4	Requirement Refinement	Based on first interview, refine and transform the client requirements into functional features, and list them for client to review and approve. Research on technology that can be used.	1 Week	12-Apr-23	Planning
5	Client Interview - 2	Discuss the features with the client and get approval after incorporating feedback. Technology stack to be agreed upon	30 minutes	15-Apr-23	Planning
6	Learn RDBMS & SQL concepts	Learn about Relational Database Management Systems (Oracle Database) and Structured Query Language (SQL). Familiarize with Entity Relationship Diagrams (ERDs)	4 Weeks	24-Jun-23	Design, Coding

7	Database Modelling	Model the different entities of the client's organization which are within the scope of the project	3 Weeks	15-Jul-23	Design
8	Client Review of Database Model	Show the database design to client, seek feedback, make changes and obtain approval	1 Week	22-Jul-23	Design
9	Learn Python & Flask to develop user interface	Learn basics of Python programming language, web development, and Flask micro web framework	3 Weeks	12-Aug-23	Design, Coding
10	User Interface Design	Design the various user interface screens to be part of the project and their functional flows	2 Weeks	26-Aug-23	Design
11	Client Review of User Interfaces	Send the user interface designs for client review, seek feedback, make changes, and obtain approval for the design	1 Week	09-Sep-23	Design
12	Cloud Account Creation	Create an Oracle Cloud Account for the project that provides free access to Oracle database	1 Day	10-Sep-23	Design, Coding
13	Cloud Account Setup	Setup an instance of the Oracle database on the cloud account and start it. Make initial configuration changes for the account. Download the wallet to access the database.	1 Day	12-Sep-23	Design, Coding
14	Database Tables Creation	Create all the database tables from approved data model along with relevant database indexes	1 Day	13-Sep-23	Coding
15	SQL Scripts for sample data creation	Develop SQL insert scripts for sample data for the tables	3 Days	20-Sep-23	Coding
16	User Interface Coding - Overall Code Template	Code user interface template with sidebar navigation	2 Weeks	04-Oct-23	Coding

17	Test Cases Preparation	Prepare comprehensive test cases for the complete functionality	2 Days	06-Oct-23	Testing
18	User Interface Coding - Login Page & Logout Action	Code login screen with user authentication and the logout action that takes user back to login page	1 Week	11-Oct-23	Coding
19	User Interface Coding - Profile Page	Code profile page to view logged-in user's own profile	1 Day	12-Oct-23	Coding
20	User Interface Coding - Institutions Page	Code child care institutions page to list institutions from logged-in user's city	1 Day	13-Oct-23	Coding
21	User Interface Coding - City Volunteer Page	Code page to list volunteers from logged-in user's city	1 Day	14-Oct-23	Coding
22	User Interface Coding - Batch Students Page	Code page to list students from a teacher volunteer's batch	1 Day	15-Oct-23	Coding
23	User Interface Coding - Attendance Pages	Code register attendance and attendance history Pages	3 Days	18-Oct-23	Coding
24	User Interface Coding - About Page	Code about page for the organization	1 Day	19-Oct-23	Coding
25	End-to-End Testing & Bug Fixing	Test the entire application for all features using test cases prepared	4 Days	23-Oct-23	Testing
26	Fixing of Bugs and re-testing	Fix code bugs identified in testing along with repeat of tests	3 Days	26-Oct-23	Testing, Coding
27	First Demo to Client	Demo of product to client and seek feedback	1 Hour	27-Oct-23	Implementation
28	Implementation of minor changes requested by client	Code and test minor changes as per client feedback	2 Days	29-Oct-23	Coding, Testing
29	Documentation	Create a feature document for end-users on how to use application	1 Day	30-Oct-23	Implementation
30	Final Demo to Client & System Training	Final demo to client, and training to use the system along with discussion of intricacies of implementation	3 Hours	01-Nov-23	Implementation

31	Client Feedback Interview	Obtain feedback from client on application	15 minutes	01-Nov-23	Implementation
32	Product Video Recording	Screen recording of the product along with voice (using prepared script)	1 Hour	02-Nov-23	Implementation