PHASE5

ProjectDemonstration&Documentation

1. FinalDemoWalkthrough:

Thefinaldemowalkthroughshowcasestheworkingmodeloftheproject,providinga step-by-stepexplanationofthefeaturesandfunctionalitiesimplemented.

- ❖ ObjectiveoftheDemo:Toclearlydemonstratehow theprojectsolvestheidentified problem.
- ❖ FlowofDemonstration:Thewalkthroughshouldbeginwithanintroduction, followedbytheexplanationofkeymodules,userinterfacedesign,backend operations,andintegrationwithexternalAPIsordatabases.
- ❖ UserInteraction:Highlighthowendusersinteractwiththesystemandhowthe application responds in real time.
- ❖ Outcome:Thedemoshouldconcludebyshowingthesuccessfulexecutionofall majorfeatures,validatingthepurposeoftheproject.

2. ProjectReport:

Theprojectreportprovidesacomprehensiveexplanationoftheentireproject development process.

- ❖ Introduction:Brieflydescribetheproblemstatement,objectives,andsignificance of the project.
- ❖ LiteratureReview:Summarizeexistingsystemsorsolutionsandexplainhowyour project improves upon them.
- ❖ SystemDesign:Explainarchitecturediagrams,flowcharts,andERdiagramstoshow how the system is structured.
- ❖ ImplementationDetails:Includetechnologiesused,programminglanguages, frameworks, and libraries.
- ❖ TestingCValidation:Describehowthesystemwastested(unittesting,integration testing,useracceptancetesting)andprovideresults.
- ❖ ConclusionCFutureScope:Endwithfindings,limitations,andopportunitiesfor improvement.

3. Screenshots/APIDocumentation:

Visualandtechnicaldocumentationensuresclarityforfuturereference.

- ❖ Screenshots: Capture all important sections of the application like the login page, dashboard, user interface, and results page. Screenshots provide a visual proof of functionality.
- ❖ API Documentation: Provide detailed documentation for every API endpoint including:
    - ✓ Endpoint URL
    - ✓ Request Method (GET/POST/PUT/DELETE)
    - ✓ Request Parameters
    - ✓ Response Format
    - ✓ Example Inputs C Outputs

This helps developers understand how to integrate and extend the project in the future.

4. Challengess Solutions:

Every project faces challenges during its development. Clearly documenting them reflects problem-solving skills.

- ❖ Technical Challenges: Issues related to coding, debugging, or compatibility of tools.
- ❖ Integration Challenges: Problems faced while connecting different modules or APIs.
- ❖ Resource Challenges: Limited time, manpower, or hardware resources.

Solutions: For each challenge, describe the steps taken to resolve it. Example: "Faced difficulty in integrating payment gateway; solved by using official SDK and enabling sandbox testing."

5. GitHub READMEs Setup Guide:

A well-structured GitHub repository is crucial for project submission and future collaboration.

- ❖ README File: Must include project title, description, key features, screenshots, technology stack, and usage instructions.
- ❖ Installation Guide: Step-by-step process to setup the project locally. Example:
    - ✓ Clone the repository
    - ✓ Install dependencies
    - ✓ Configure environment variables
    - ✓ Run the project using specific commands
- ❖ Contribution Guidelines: Mention how other developers can contribute to the project.

- ❖ LicenseInformation:Ifapplicable,specifyunderwhichlicensetheprojectis distributed.

6. FinalSubmission(Repo+DeployedLink):

IBM-FEInteractiveForm Validation

Link:

1. https://github.com/mahalakshmi07052004-lang/Sample-project-1/blob/main/Solution%20design%20and%20architecture-1-7.pdf
2. https://github.com/mahalakshmi07052004-lang/Sample-project-1/blob/main/MVP%20implementation-1-4.pdf
3. https://github.com/mahalakshmi07052004-lang/Sample-project-1/blob/main/IBM-FE%20Interactive%20form%20validation-1-4.pdf
4. https://github.com/mahalakshmi07052004-lang/Sample-project-1/blob/main/Enhancements%20and%20deployment-1-3.pdf

Finalsubmissionensurestheprojectisaccessibleforevaluationandreal-worldusage.

- ❖ RepositoryLink:SubmittheGitHubrepocontainingsourcecode, documentation, and commit history.
- ❖ DeploymentLink:Providethelivehostedversionoftheproject(Netlify, Vercel,GitHubPages, Heroku, AWS,etc.).
- ❖ Verification:Ensurethatthedeployedversionworkscorrectlyandmirrorsthe functionalityofthelocaldevelopmentenvironment.

SubmissionChecklist:

- ✓ READMEupdated
- ✓ Allbugsresolved
- ✓ Documentationcomplete
- ✓ ScreenshotsCreportsattached