

SUMMARY FOR PROJECT “RESTFUL CONTACT MANAGEMENT API”

The final project represents the complete implementation and demonstration of the system, covering every phase from development to deployment. The final demo walkthrough explains the overall functionality and objectives of the project. It begins with an introduction to the problem statement and proposed solution, followed by a detailed demonstration of each feature, backend logic, frontend design, and data flow. This stage validates the project's performance and showcases the student's technical understanding and teamwork.

The project report serves as a formal document that details all aspects of the project, including the introduction, objectives, methodology, design architecture, implementation, results, and conclusion. It also includes supporting materials such as diagrams, flowcharts, and database schemas to provide a clear understanding of the system's workflow and structure.

Screenshots and API documentation provide both visual and technical representations of the system. Screenshots display the user interface and main features, while the API documentation explains each endpoint with its parameters, request and response formats, and error handling methods. These components help reviewers and developers understand and interact with the project easily.

During development, various challenges were faced, such as integration issues, deployment errors, and design adjustments. Each challenge was carefully analyzed and resolved using debugging tools, research, and mentor support. This process helped improve the system's efficiency and enhanced problem-solving skills.

The GitHub README file acts as a quick-start and setup guide for the project. It contains details such as the project overview, technologies used, setup instructions, and contribution guidelines. This ensures that anyone can easily clone, install, and run the project.

Finally, the project is submitted with a well-structured GitHub repository and a deployed link for real-time access. The repository is organized into sections for backend, frontend,

and documentation, with clear commit messages and version control practices. The live deployment allows users and evaluators to directly test the project's functionality. Overall, this final submission reflects professionalism, technical accuracy, and a clear understanding of development standards.