

General Project Kickoff Instructions

1. Understand the Project Requirements:

- Thoroughly review the accepted project idea and objectives.
- Define the key features and expected outcomes based on discussions.
- Write down the problem statement and solution approach clearly.

2. Research and Planning:

- Study similar applications to get inspiration for design and features.
- Brainstorm innovative ideas to enhance the project.

3. Create a Project Roadmap:

- Break the project into phases: Planning, Development, Testing, and Deployment.
- Define short-term and long-term goals with realistic timelines.

4. Set Up the Development Environment:

- Install necessary tools and frameworks (Node.js, MongoDB, Java, React, Spring Boot, etc.).
- Create the project structure in the version control system (GitHub/Bitbucket).

5. Assign Roles and Responsibilities:

- Split responsibilities among team members (Frontend, Backend, Database, Documentation).
- Encourage collaborative decision-making.

6. Initial Development Tasks:

- **Frontend:** Create mockups or wireframes for the user interface.
- **Backend:** Set up REST APIs and database schema.
- **Database:** Create collections/tables for storing essential data.

7. Use Agile Methodology:

- Divide tasks into small sprints (weekly or bi-weekly goals).
- Hold daily/weekly stand-up meetings to track progress.

8. Version Control and Documentation:

- Use Git to maintain version control.
- Document APIs, code structure, and project progress.

9. Testing and Debugging:

- Continuously test functionalities during development.
- Identify and resolve bugs early.

10. Final Stage (Deployment):

- Deploy the app on cloud platforms (Heroku, Netlify, AWS).
- Perform final tests and user acceptance evaluations.

11. Presentation Preparation:

- Prepare a demo showcasing key features and project highlights.
- Summarize challenges faced, solutions, and future scope.