COLLEGE CODE: 9504
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DEPARTMENT: CSE
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ROLL NO:31
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Completed the project named as phase:
PHASE 4

TECHNOLOGY PROJECT NAME
TO-DO-LIST Application.

SUBMITTED BY
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1. Additional Features

Add extra functionality based on user feedback.

Examples:
· Search & filter option
· Notifications/reminders
· Export/import data
· Dark/light theme toggle

2. UI/UX Improvements

Refine interface for better usability:
· Consistent color scheme & typography
· Responsive design for mobile, tablet, and desktop
· Improve navigation (menus, buttons, shortcuts)
· Accessibility (alt text, ARIA labels, keyboard navigation)

3. API Enhancements

Optimize API endpoints:
· Add pagination, filtering, and sorting
· Improve error handling & validation
· Secure endpoints with authentication/authorization (JWT/OAuth)
· API documentation (Swagger/Postman collection)

4. Performance & Security Checks

Performance:
· Optimize images & static assets
· Minify CSS/JS
· Implement caching & lazy loading
· Database query optimization
Security:
· with logging & Input sanitization (avoid SQL/NoSQL injection, XSS)

· HTTPS/SSL setup
· Secure API keys & environment variables
· Rate limiting & session management

5. Testing of Enhancements
· Unit testing (Jest/Mocha, depending on stack)
· Integration testing
· UI testing (Selenium, Cypress, Playwright)
· User acceptance testing (UAT) with stakeholders

6. Deployment
Choose a platform:
· Netlify – for frontend static apps (React, Vue, Angular)
· for Next.js/modern frontend frameworks
· Cloud Platforms (AWS, Azure, GCP) – for full stack apps with backend & database
· Setup CI/CD pipeline (GitHub Actions, GitLab CI, or Bitbucket Pipelines)
Monitor deploymrror tracking
· Input sanitization (avoid SQL/NoSQL injection, XSS)
· HTTPS/SSL setup
· Secure API keys & environment variables
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· Monitor deployment with logging & error tracking (Sentry, LogRocket)