

ChatGPT Survey

A Programmer's Perspective

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May 6, 2023

Outline

- 1 Before Coding
- 2 During Coding
 - Implementation
 - Deployment
- 3 After Coding
- 4 Iterative Coding
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Before Coding

- Planning and Analysis
 - Defining Project Goals and Requirements
 - Analyzing Feasibility of Proposed Solutions
 - Creating User Stories and Acceptance Criteria
- Design
 - Designing System Architecture and Components
 - Creating Wireframes and Mockups of User Interface
 - Designing Database Schema and Defining APIs
- Tool Selection and Setup
 - Selecting Development Tools and Technologies
 - Setting up Development Environment
 - Configuring Version Control and Collaboration Tools

Implementation

- Writing Business Logic and Implementing User Interface
- Integrating with External Systems and APIs
- Setting up Data Storage and Retrieval

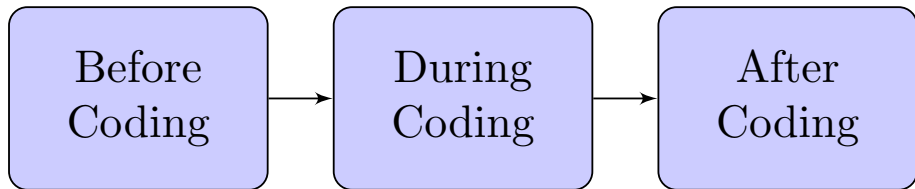
Testing and Debugging

- Writing Automated Tests for Each Component of System
- Performing Functional, Integration, and System Testing
- Debugging and Fixing Errors in Code

- Setting up Continuous Integration and Deployment Pipelines
- Deploying System to Production Environment
- Monitoring System Performance and Stability

- Maintenance
 - Fixing Bugs and Implementing New Features
 - Updating Dependencies and Patching Security Vulnerabilities
 - Monitoring System Performance and Stability
- Refactoring and Optimization
 - Identifying Opportunities for Code Refactoring
 - Improving Code Readability and Maintainability
 - Optimizing System Performance and Resource Usage
- Documentation and Knowledge Transfer
 - Updating System Documentation
 - Writing Technical Reports and Presentations
 - Training New Team Members and Transferring Knowledge

- Iterative Development Process
 - Planning and Prioritizing Features for Each Iteration
 - Implementing Features and Testing in Each Iteration
 - Reviewing and Demonstrating Features to Stakeholders
- Continuous Integration and Delivery
 - Integrating Code Changes and Running Automated Tests
 - Deploying Changes to Staging and Production Environments
 - Monitoring System Performance and Stability
- Feedback and Improvement
 - Gathering Feedback from Stakeholders and Users
 - Analyzing Feedback and Identifying Areas for Improvement
 - Implementing Improvements and Refining Development Process



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