1. Project Initiation
- Requirement Gathering: Collect detailed requirements for the feature from stakeholders.
- Stakeholder Engagement: Involve all key stakeholders to align expectations and gather input.
- User Story and Functional Requirements: Create detailed user stories and a functional requirements document.
- Process Flow Diagram: Develop a diagram to visualize the user experience (UX) and user interface (UI) of the feature.
- Project Plan: Outline a clear project timeline and plan.
- Technical Specifications: Define technical requirements, including APIs, data flow, database changes, and integrations.
- Project Prerequisites: Complete initial setups, such as database configurations, VPN access, server setup, network permissions, and server access.

2. User Experience Improvements for Checkout Page
- Simplify the Process: Implement a single-page checkout to streamline the process and minimize steps.
- Add Payment Options: Provide a range of payment methods (e.g., credit cards, PayPal, digital wallets) for user convenience.
- Optimize for Mobile: Ensure that buttons are large, input fields are easy to complete, and the design minimizes scrolling.

3. Development
- Feature Implementation: Develop the feature according to design and technical specs.
- Code Quality: Ensure clean, maintainable code, following platform-specific best practices for mobile (iOS/Android).
- Backend Changes: Implement required backend modifications, such as database updates, server logic, and API integrations.
- Front-End Integration: Complete integration of the front-end with the new feature.
- Integration Testing: Verify smooth integration with the rest of the app across all supported devices and OS versions.

4. Testing
- Unit Testing: Test individual components to ensure each part functions correctly.
- Functional Testing: Confirm that the feature behaves as intended when interacting with other parts of the app.
- Beta Testing: Release to a small user group for feedback on usability, performance, and overall experience.
- Performance Testing: Test the feature's impact on app performance, including load time and battery usage.
- Bug Fixes: Address issues identified during testing and refine based on feedback.
- User Acceptance Testing (UAT): Verify that the feature meets all requirements with input from product and business owners.

- UAT Approval: Secure approval from product and business owners to confirm all requirements are met.

   5. Security Assessment
- Vulnerability Assessment and Penetration Testing (VAPT): Conduct testing to identify and address any security vulnerabilities.
- Issue Resolution: Developers and app managers address vulnerabilities before the full release.

6. Deployment and Close-Out Activities
- Pre-Deployment: Set up production servers and required network permissions.
- Change Approval: Obtain approval for deployment from the IT Change Manager or Change Committee.
- Soft Launch: Deploy to a pilot environment, using a soft launch for a limited region or subset of users to monitor performance.
- Full Deployment: Roll out the feature on all platforms (Google Play Store, iOS App Store) for all user/customers.