***Step-1(Gather Requirements):***

*Requirement is that need to develop an ecommerce application where without login not able to do anything after login see home page with products and advertisement Sort products by name, by b add them into cart*

***Step-2(Planning):***

***Project Scope:***

*1 Login/Logout*

*2 Browse products*

*3 Add products to cart*

*4 Checkout with cash on delivery*

***Step-3(Analysis):***

*1 user want Login/Logout*

*2 user want Browse products*

*3 user Add products to cart*

*4 user Checkout with cash on delivery*

***Step-4(Design):***

***Login Page:***

*1 Username and password fields*

*2 Login button*

*3 homepage*

***Product Details Page:***

*1 Product image and description*

*2 Price and availability*

*3 Add to cart button*

***Cart Page:***

*1 Product list with quantities*

*2 Total cost*

*3 Checkout button*

***Checkout Page:***

*1 Order summary*

*2 Payment method selection (cash on delivery)*

*3 Place order button*

***Step-5(Implementation):***

*1 Frontend*

*2 Backend*

***Step-6(Deployment):***

*1 Deploy application*

*2 Conduct post-deployment testing*

***Step-7(Maintenance):***

*1 Monitor application performance and fix issues*

*2 Gather user feedback and implement changes*