**Sdlc phases :- requirements-> analysis-> design-> implementation-> testing-> deployment-> maintanence**

**Requirements:-** gathering requirements and making documents as client needs.

**analysis**:- analysing the document , how it works, with what technologies, with how much budget.

**Design:**- designing the document in understandable manner with like segregating as high level design and low level design.

**Implementation:-** using technologies we convert the design into the code , create the data as per the client requirement.

**Testing:**- test the implemented code wether it missed any thing as per the client idea, if any thing arises it again send it to the development team they will recorrect.

* In some modules inn sdlc the testing part is done at the each level after done with that part it tests and anything arises it says to correct, and in somme phases it checks then it will fix if again any changes want to make , it wont encourage that. Once it done that’s the final.

**Deployment:-** once we are done from our testing side, and feels ok. We will send it to the client/ customer. They will check wether it is created as per their needs or not. If not it reaches to the testing team again the process go on.

**Maintanence:-** after the product is released to client/ customer. If any issues rises in while using in sometime. The team should be solved.

Feature: Book Flight Ticket  
  As a traveler I want to book a flight ticket  
  
    Scenario: Booking a flight ticket  
  step1:  Given I am on the flight booking website  
   step2:  When I search for a flight from "India" to "Dubai" on "2024-07-15"  
    step3:And I select "Economy" class  
    step4: I choose "1" adult passenger  
    step5: I click on the "Search" button  
   step6: Then I should see a list of available flights  
    step7:And I proceed to book the flight  
   step8: Then I should be asked to provide passenger details  
    step9:When I fill in passenger details with my information  
  step10:  And I proceed to payment  
    step11:Then I should see a confirmation message with my booking details