**Use Case Scenario – 1(Youtube Playlist Play)**

1. User Registers using email ,password and confirm password
2. user logs in using username and password
3. a list of youtube videos is displayed to the user, a video list item contains video title , video views and channel name
4. on clicking on a video , youtube video player is opened and video is played using youtube video id.
5. User logout

**Use Case Scenario -2(Age calculator)**

1. User enters year of Birth
2. Age is displayed which is calculated using year of birth

**Use Case Scenario -3 (Age Calculator)**

1. User enters DOB using date picker with format YYYY-MM-DD
2. age is calculated from DOB with date format in YYYY-MM-DD
3. Calculated age is displayed

**Use Case Scenario -4 (Hotel Room Booking)**

1. User registers using registration page with email and password
2. user log in using username and password with captcha
3. if login failed then error page is displayed
4. user chooses cityname from city state dropdown
5. hotels are searched for using city and state name
6. list of hotels is displayed
7. user selects a hotel from the list, the user enters room type and number of persons
8. users enters date of booking
9. fare is calculated for the booking using room type and number of persons
10. gst is calculated on the fare
11. payments options are displayed which contains options like credit card, debit card and upi
12. payment api
13. on sucessful payment booking confirmed page is shown displaying username , room type , number of persons and fare
14. on unsucessful payment payment failed page is shown
15. logout or book another option

**Use Case Scenario -5(Library Manangement)**

1. login page is displayed with register button username and password
2. if user found then add book, search book options are displayed
3. on add book option user enters book name, book year, book price
4. book name is matched with database
5. if no match found then user selects the genre and author name from dropdown
6. book added sucessfully dialog is shown
7. user back to home screen
8. on search book option book name is entered by the user
9. book genere and author name is selected by the user from dropdown
10. book is searched from the database using book name, author name and genre
11. if book is found, the list of books are displayed with book name, book price and author name
12. user selects a book from the list, the cost of renting the book is calculated
13. gst is calculated for the renting price
14. payment page is displayed with options like upi and cash
15. book count is updated for the selected book
16. main window is displayed again

**Use Case Scenario -6(Train Booking)**

1. User Registers using username , password and email
2. verification email sent page is displayed.
3. user logs in using email and password with captcha
4. user selects from city and to city using dropdown along with date of journey
5. user selects class type and Quota from dropdown
6. trains are search using to city , from city , date of journey and class type
7. list of trains are displayed displaying train number , train name, duration and fare per person and user selects a train from the list
8. user enters passenger details like name , age , gender and phone number
9. available berth search using train number , DOJ , from and to city
10. no berth then confirmation page is display
11. if no then thank you page is displayed
12. if yes gst is caluclate on the total amount
13. payment page is displayed with options like credit card, debit card, net banking and upi
14. payment failed then payment failed page is displayed
15. on payment successful booking confirmed page is displayed displaying details like from city, to city , train number, travel duration, username , total fare and passenger name

**Use Case Scenario -7(Hotel Booking)**

1. User registers using email, username ,password
2. User log in using username and password.
3. Login error page if no match is displayed
4. user chooses city state dropdown
5. hotels are searched for using city and state name
6. searched list of hotels is displayed and user select a hotel from the list.
7. the user enters room type and number of guests
8. users enters from date and to date
9. fare is calculated for the booking using room type,number of persons ,from date and to date
10. gst is calculated on the amount
11. payments options are displayed which contains options like credit card, debit card and upi
12. on sucessful payment booking confirmed page is shown displaying username , room type , number of persons and total amount
13. if payment failed page is shown with amount
14. logout button

**Use Case Scenario-8(Flight Booking)**

1. User registration using username, email , password and confirm password
2. user login using username and password
3. if login failed then error page is displayed
4. select from city , to city from dropdown
5. user enters date of journey
6. user select the flight class type from dropdown
7. flights are searched using from city , to city and date of journey
8. list of flights are displayed with details like airline name, airline code, departure time, arrival time , number of stops, duration
9. user enters passenger details like name, age, gender and phone number
10. gst is calculate on the fare
11. payment page is displayed with options like credit card, debit card, upi and netbanking
12. on payment confirmed booking page confirmation is displayed with details like airline name , date of journey, from city and to city
13. if payment failed then payment failed page with the amount is displayed

**Use Case Scenario-9 (E-commerce)**

1. login page is displayed with username ,password and register option
2. if user enter register option then registration page is opened with details like name,email, username, password and confirm password
3. user selects product category from dropdown
4. user enter name of the product to search in search box
5. list of products are fetched using the search name and product type
6. list of products are displayed using the search results and user selects a product from the list
7. user selects number of items from the dropdown
8. fare is calculated using discount, product price and quantity
9. gst is calculated on the amount
10. payment page is displayed with options like credit card, debit card , netbanking, upi and cash
11. on successful payment logout button shown

**Use Case Scenario-10 (E-commerce)**

1. login page is displayed with username ,password and register option
2. if user enter register option then registration page is opened with details like name, username,email,address,phone number password and confirm password
3. profile page with details like name, username, email ,address and phone number
4. user selects product category from dropdown
5. user enter name of the product to search in search box
6. searching of products with product name and product category
7. list of products are displayed using the search results and user select a product from the list
8. user selects number of items from the dropdown
9. fare is calculated using product price , number of items and discount
10. gst is calculated on the amount
11. payment page is displayed with options like credit card, debit card , netbanking, upi and cash
12. payment upi
13. on successful payment logout Thank You page with username is displayed
14. user clicks on logout button