System Testing

1. Project Background: Zumba APP
2. **Testing purpose:** To find out as much as possible the errors and unreasonable points in the software before users use it, to eliminate potential errors in the software, and finally to deliver a high-quality software system to users. System testing coverage: functionality, performance, UI, security, compatibility, capacity.
3. **System testing.**

* **Functional testing:** verify the accuracy of data, data types, business functions and other related aspects of correctness; verify that all functions have been properly implemented, i.e. whether they are consistent with the requirements. For example: menus, toolbars, shortcuts, drop-down boxes, buttons, etc.

1. Whether the "**Sign In**" button and the "**Sign up**" button are moved to the corresponding page
2. **Form**: **First** **name** and **Last** **name** accept text input normally, **email** **address**: accept the corresponding email address, **mobile** **phone** **number**: accept number, **Medical** **Conditions**: whether it can be entered normally
3. **Select** button: Click check whether to display normally.
4. **Submit** button: Click to enter the customer account interface.
5. **My class**: Click to enter the customer-related course.
6. **My Attendance**: Click to see the user's attendance.
7. **My booking**: You can view the information of the courses that have been booked.

* **User interface testing:** Verify that each window style (including colours, fonts, prompt messages, icons, titles, etc.) is consistent with the requirements or meets acceptable standards and can ensure user interface friendliness, ease of operation, and is consistent with user operating habits. Testing tools and methods: manual testing, visual inspection. Provide the APP demo to the test group, let them use it according to their daily habits, and give feedback on their feelings and opinions.

1. Check whether the **color** is beautiful and whether it feels uncomfortable when used
2. Check that **each word** is clearly visible
3. Whether the **picture** is clear or not

* **Performance testing:** test the corresponding time, transaction processing efficiency and other time sensitive issues. Use scripts to test the stability of the software performance when the system is operating with a large volume of data and multiple users, and check whether it will cause system crashes or related anomalies.

1. To enter the app using a different platform or device, the app **should not stutter**.
2. Using multiple accounts to browse the same course, the app **cannot freeze**.

* **Compatibility Testing:** Test the compatibility of the software for use on different platforms. 1. Use different versions of different browsers, resolutions, and operating systems to conduct separate tests. 2. Combination testing of different operating systems, browsers, resolutions and various conditions. 3. Data consistency when users switch among different operating systems.

1. Download the Zamba APP on Android and Apple to see if the interface is the same as designed.
2. First register an account in the Android mobile phone, fill in the information, book a course or join a course, and then log in to the same account on the Apple mobile phone to view the customer's relevant information, the scheduled course and the existing course, attendance, etc. Is consistent with Android.
3. Modify customer information on Apple, change courses, and see if the changes are consistent on Back to Android.