ID	Requirement	Related Use Case	Fulfilled by	Test
1	The RaDoTech app is running	N/A	App, Mainwindow	Make sure no errors and all functions in the App class is working, start the app the login page shows up correctly
2	Users can create profile with the app	Use case 1: create user profile	App, Profile, Profileselecter, Mainwindow	Click the create button the app will bring you to a form to let users fill out their basic information for example: username, password etc.
3	Users can update profile	Use case 2: update user profile	App, Profile, Profile selecter, Profileediter, Profileviewer, Mainwindow	Enter the correct password for the user and click the update profile it will procced to user's information page user can update their information there
4	Users can delete the profile they do not need anymore	Use case 3: delete user profile	App, Profile, Profile selecter, Profileediter, Profileviewer, Mainwindow	Enter the correct password for the user and click the delete button to delete the user profile
5	Users can select the correct profile they want for further	Use case 4: select user profile for device use	App, Profile, Profile selecter, Profileediter, Profileviewer,	Users open the correct user profile with the correct

	RaDoTech device use		Mainwindow	password they set in the create profile stage
6	The device can be turn on and off correctly	N/A	Deviceviewer, Mainwindow	Go to the device window click on the turn on button to turn on the device click turn off button to turn off the device
7	The low power indicator for the device is working	Use case 9: low power indicator	Device, Battery, Mainwindow	Turn on the device and wait for a while the warning message "low power" pop up correctly when battery power is lower than 10%
8	The device's battery level is displayed correctly	Use case 10: charge depletion	Device, Battery, Mainwindow	When the device is on the battery will decrease over time and the battery health bar is shown on the top right corner of the device window.
9	The graceful shut down function is working for the device	Use case 11: graceful shutdown when out of power	Battery, Device, Mainwindow	The battery power reduce to 0 a warning message "no power, shutting down" pop up correctly and turn off the device

10	The device can connect to the app	Use case 5: connect app to hardware	Battery, Device, Deviceviewer, Mainwindow	Move to the device page click on the connect device button the device will be connect to the app and ready to read in data for exam
11	The device can read in data and perform the exam	Use case 6: user takes readings with RaDoTech device	Exam, Examresult, Device, Deviceviewer, Profile, Mainwindow	Tuirn on the dvice and connect the device to the app then move to the exam page click start exam, and click move device and take reading 25 times the exam result will be saved in to result page
12	Users can view the historical data they stored before	Use case 7: show or view historical examination data to user	Exam, Examresult, Device, Deviceviewer, Mainwindow	Select the result page, user can see there is a drop down bar users can select the dataset they want to view
13	Users can see their health recommendations in the app	Use case 8: display health recommendation to user	Recommendation, Recommendations, Mainwindow	After selecting the exam result you want to view the recommendation will be display under the chart