ID	Requirement	Test	Use Case	Implemented By	Tested By
1	Simulate home screen to show functional buttons, battery, time, date, insulin and graph.	Buttons navigate to the correct screen, and the graph is active	Use case 1	Home.cpp, options.cpp, profilespage.cpp	All sequences
2	Manual bolus input via calculator and CGM data	Using bolus features to calculate insulin	Use case 4	bolus.cpp	Sequence 2
3	Create, Read, Update, Delete personal profiles (basal, carb ratio, etc.)	Create a profile or update a profile in the profile screen	Use case 3	profilespage.cpp	Sequence 3,4,5
4	Start, stop, or resume insulin based on profile or CGM input	Pause/resume buttons operate	Use case 6	home.cpp	Sequence 3
5	Visualize insulin data and glucose patterns	The graph depicts the insulin rate accurately	Use case 9	home.cpp	Sequence 1
6	Error handling for low battery, low insulin, occlusion	Low battery label and low insulin labels show	Use case 2	home.cpp	Sequence 1
7	Display alerts and notifications clearly	Alerts are visible	Use case 8	home.cpp	Sequence 3
8	Logging of events	Every time an event happens, a log is displayed	Use case 8	home.cpp	N/A
9	Time simulation	The simulation simulates the time as if the device is being used	Use case 5	home.cpp	N/A