Test Case ID	Test Description	Pre-Condition	Test Steps	Test Data (Inputs)	Expected Results	Actual Results	Pass/ Fail
1	Verify the connection to a clock.	1.The device has a Wi-Fi network option. 2. The device is Successfully logged into the app. 3.The device successfully scanned for Wi-Fi networks.	1. Navigate to the "Connect to clock" page. 2. Select a clock with the clock_id given to connect to. 3. Enter the clock password 4. Initiate the connection.	clock_id clock_password:	Connection status is displayed on the screen - “Connected” (green light flash)		
2	Verify loading a sraved table from the file system to the app.	1. The device is Successfully logged into the app. 2.The device has a saved table in the file system.	1.Select switch 2.Select a saved table to load.	Saved table_##	Saved table is successfully loaded. Table contents are displayed.		
3	Verify saving a table to the user device.	1. The device is successfully logged into the app.	1.Open the application. 2.Log in with valid credentials. 3.Edit table 4.Click on Save icon 5.Load on different switch to compare with the origin		Same scheduled table in both switches.		
4	Verify that a technician can search for clocks within the app (WiFi discovery).	1.The device has a functional network connection. 2. The device is Successfully logged into the app.	1.Go to home page 2. Make sure you are nearby a specific clock 3.Click on the "Search for clocks" option.		A list of clocks is displayed, and the watch next to the technician must appear on the list. The technician can view the details and interact with the clocks.		
5	Verify that a technician can edit a table.	1. The device is Successfully logged into the app. 2.the home page with the table is displayed on the screen.	1.add new rows to the table using the ‘+’ icon. 2.Modify the entries in the table as needed.		All time fields in the table rows are filled as desired.		
6	Verify that a technician can burn a table into a chip.	1.The device has a functional network connection. 2.The device is Successfully logged into the app. 3.A clock and circuit breaker have been selected. 4.the home page with the table is displayed on the screen.	1. Modify the entries in the table as needed. 2.press on the "Burn table into chip" button.(download icon)		The table data has been successfully written to the chip, and a confirmation message is displayed.		
7	Verify the updating of clock current time according to the current technician's device time.	1. The device is Successfully logged into the app. 2.clock is selected and connected 3.Location services (GPS) are enabled on the device . 4.The app has permission to access location services.	1.Navigate to the "Manage clock details" page. 2.press on "update current time" button 3.Wait for the app to detect the new location and update the time. 4.Observe the updated time on the app and the customer's clock. 5. Click on load table from chip and look at the time field in the response header		The response header equals the technician's device time.		
8	Verify the ability to change the clock name and password for an existing clock.	1. The device is Successfully logged into the app. 2.clock is selected and connected	1.Navigate to the "Manage clock details" page. 2.click on “change verification” 3.Change the clock name and password. 4.Save the changes.	Existing clock name: old_user Existing password: old_pass	clock name and password are successfully updated. Confirmation message is displayed. technicians can log in with the new credentials.		
9	Verify the application supports both English and Hebrew languages and switching between them.	1. The device is successfully logged into the app.	1.Navigate to the settings page. 2.Change the language to Hebrew 3.Navigate through the app to verify the language change. Change the language back to English.		The application correctly switches to Hebrew. All text and labels are displayed in Hebrew. The application correctly switches back to English. All text and labels are displayed in English.		
10	Verify that a technician cannot choose a circuit breaker that does not exist in the clock.	1.The device has a functional network connection. 2.The device is logged into the app	1.Navigate to the clock configuration screen. 2.Attempt to select a circuit breaker by entering a number. 3.Attempt to select a circuit breaker by entering a number higher than the existing number of breakers	Number of existing circuit breakers in the clock	1.The technician should only be able to select circuit breakers that exist within the clock 2.When entering circuit breaker numbers higher than the existing breakers an error message should be displayed informing the technician that the circuit breaker does not exist.		
11	Verify that the minus (-) button becomes unclickable when the table is empty.	1. The device is Successfully logged into the app. 2. The current table is displayed on the screen	1. Clicked the eraser button To clear the table 2. Try to click on minus (-) button		The (-) button should not respond to clicks when no rows are present in the table.		