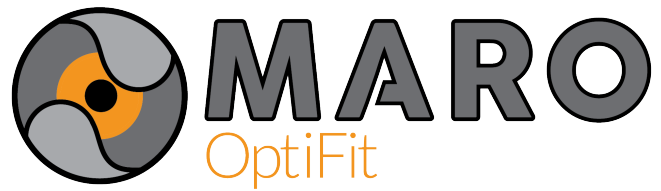# Test Plan

Test	Key Points	Pass? (✓/x)
Hardware Start-up	- LED of DUST motes are on. - Wireless network forms within 2 min. - LED of EMG is on.	
Software Start-up	- Menu opens; this menu includes options for starting the Kinect, connecting to wireless, and additional sensor graphs. - Menu also allows for user to enter the mass of the deadlift.	
Kinect Initialization	- "Start Kinect" from menu opens window and the user's skeleton appears after 45 seconds.	
GUI Initialization	- After the Kinect is initialized, GUI windows for sensor data can be opened from the top menu.	
EMG Sensor	- EMG signal for the lower back displays on the GUI when attached to the user. - Noticeable peaks of voltage are present when the muscle is activated.	
Force Sensor	- Force signal displays on the GUI. - Noticeable changes in data are present throughout the lift.	
Functionality	- Lifts that are performed correctly are not interrupted by OptiFit. - Lifts that are deemed incorrect by OptiFit receive audio feedback loud enough to be heard by the user.	