Test ID	Description	Expected Results	Actual Results
TestGainPoints (Morgan) Black box	Preconditions: Engineer has a Slack account associated with KarmaTracker. Steps: 1. Type in command directed at the user to award points. 2. Enter command. Inputs: Bot command with designated action and username.	Engineer's points should show an increase.	
TestValidCommand (Morgan) Black box	Preconditions: Engineer has a Slack account associated with KarmaTracker. Steps: 1. Type in command directed at user to award points with "debug" action. 2. Enter command. Inputs: Bot command with designated action (debug) and username.	Engineer's points should show an increase (with specifically the designated "debug" command amount).	
TestInvalidCommand (Morgan) Black box	Preconditions: Engineer has a Slack account associated with KarmaTracker. Steps:	Bot should return a message stating that the given action was invalid and will return a list of valid actions to use.	

	1. Type in command directed at the user to award points with "@randomInvalidAction" for the designated action. 2. Enter command. Input: Bot command with designated invalid action and username.		
(aiden) TestManagerViewValid Blackbox	Preconditions: Manager has Slack account with extra permissions to KarmaTracker Steps: 1. Type in command to view an Engineer's point history, followed by specific Engineer's username. 2. Enter command. Input: Bot command with specific manager action followed by a valid username.	Bot should display the instances of all awarded points to an Engineer.	
(aiden) TestMangerInspectQuarterlyValid Blackbox	Preconditions: Manager has Slack account with extra permissions and is currently looking at an Engineer's yearly point history.	Bot should display an Engineer's specific instances of awarded points in that quarter in more detail.	

	Steps: 1. Type in inspect command followed by Q1, Q2, Q3, or Q4. 2. Enter Command. Input: Inspect bot command followed by a valid quarter		
(aiden) TestShoutOutValid Blackbox	Preconditions: The Slack team must have had to have Engineers who earned points during the week. Manager is able to access the command. Steps: 1. Manager types in shout out command and a week, or current week. 2. Enter Command. Input: Shout out command followed by a specific week or just the current one.	Bot outputs a leaderboard of the top point jumper for the provided week.	
TestUserFeedback (Vatsa) Blackbox	Preconditions: Engineer has a slack account and is an active user in a KarmaTracker channel. Steps: 1. Type in command to	Engineer enters their feedback of the week and the bot passes the message to the software engineering team	

	ask the user for their feedback on the weekly scored 2. Enter command Input: Bot command with designated username and action (feedback)		
TestAddNewMember(Vatsa) Blackbox	Preconditions: Engineer has a slack account and is an active user in a KarmaTracker channel. Steps: 1. Engineer enters command to add a new member in the team/channel on slack. 2. Enter command. Input: Add member command followed by the new teammate's username	Bot successfully adds the new member to the channel and outputs a welcome message and updates the scoreboard	
TestAdaptability(Eunice)Blackbox	Preconditions: The system is being used by a new team with specific requirements. This team has Slack and KarmaTracker bot. Steps: 1. Customize KarmaTracker for the new team by adjusting settings or configurations to	KarmaTracker should adapt to the new team's requirements without compromising existing functionality. All features should continue to work as intended.	

	meet their specific needs. 3. Ensure the system fits the new team's requirements. Input: Configuration changes or settings adjustments for the new team		

TestPointAwardAnonymous(Eunice)Blackbox	Preconditions: Engineer has a slack account with KarmaTracker. User that is being awarded must exist.
	
	Steps:
	    1. Type in a command to award points to another user with the anonymous flag
	    2. Enter command
	
	Input: Command for awarding points with target user and anonymous flag
		Bot should successfully award points to the specified user without revealing the point awarder's identity. The notification to the awarded engineer should only display the reason for points, not the point awarder's identity.	