Test Case Planning

Group members	Kenloy Marseille, Mitchell Anguita, Chris Jorss, Wyatt Byrd, Tyler Arrowsmith

1. Use Case 1 - *Input new medication*

Test Case ID	TC01 - Succesfully add a new medication
Test Objective	**Recieve the string with the name of the new medicine successfully.**
Preconditions	- User is logged into the system "input new medication" option is selected - Medication exists in the database - Doctor approval is granted
Test steps	1. System displays pop up window to input new medication 2. User enters a valid medication 3. User selects confirm
Input Values	Name : Amoxicillin, Dosage: 500mg, Frequency: 8, Duration: 10 days
Expected results	System validates all inputs. Medication is successfully added to the users account. Confirmation message "Medication successfully added"

Test Case ID	TC02 - User cancels after entering information
Test Objective	**Removes the new medication if the user hasn't taken any dose of it yet or if the information has been invalidated.**
Preconditions	- User is logged into the system. "Manage medication" is selected. - Doctor approval has been granted.
Test steps	1. User logs in to manage medicine. 2. User selects the medicine to be removed. 3. System displays pop-up window to confirm the removal. 4. User selects "Yes" from the message.
Input Values	N/A
Expected results	Doctor granted the removal of the medication. Medication is successfully removed from the user's account. Confirmation message "Medication is successfully removed"

Test Case ID	TC03 - Invalid dosage input (non numeric)
Test Objective	**Verify that the system can identify invalid data input and prompts user to correct it**

Preconditions	● User is logged into the system ● "Input new medication" is selected
Test steps	1. System displays input pop up 2. User inputs medication with invalid dosage format 3. User selects confirm
Input Values	Name : Amoxicillin, Dosage: five hundred mg, Frequency: 8, Duration: 10 days
Expected results	System validates input and detects invalid dosage format. Error message displayed "Invalid dosage, please input a valid format (Ex. 500mg) Medication is not added. User must correct dosage to a numeric value to continue.

Test Case ID	TC04 - Medication is not in database or does not have doctor approval
Test Objective	**Verify that the system prevents adding a medication if it is not in the database or lacks doctor confirmation**
Preconditions	● User is logged into the system ● "Input new medication" is selected ● Medication entered does not exist in the database
Test steps	1. System displays input pop up 2. User inputs new medication that is not in the database 3. User selects confirm
Input Values	Name : UnknownDrug, Dosage: 500mg, Frequency: 8, Duration: 10 days
Expected results	System check data base and does not find record of UnknownDrug Error message displaying "Medication not found or waiting doctor approval" Medication is not added to the users account