MEDPLUS MART
Use Case

1. **Use Case for Doctor Consultation:**

Name	Doctor Consultation
Description	Patient books appointment with a doctor consultation either online or walk in.
Precondition	The patient is registered and logged in for the application. The patient has a stable internet connection. The patient has uploaded relevant medical history and information.
Post-Condition	Success: Appointment is booked. Failure: Doctors are unavailable.
Trigger	The user selects the consultation option.
Main Success Scenario	1. The user is logged in and lands on the search page. 2. The user location is enabled for the application. 3. The user customizes by sorting and filtering the doctors. 4. The user selects a doctor. 5. The application displays the doctor's details. 6. The user selects date and slot. 7. The user is directed to payment.

Extensions	2 a. User entered location not found.
	  1. The application displays a message that no locality found.
	  2. Go to 1.
	2 b. User has turned off the GPS or not enabled it for the application.
	  1. The application redirects the user to the search area.
	  2. Go to 1
	3a. User required specialization not available.
	  1. The application displays the message that no doctors are available.
	  2. Go to 3
	6a. Doctor slot not available
	  1. The application displays a message that doctor is booked for the slot.
	  2. Go to 6
	6b. Users select the wrong date and slot.
	  1. Go to 6
	7a. Payment Failure
	  1. The application displays the payment details.
	  2. Go to 7

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2. Use Case for Lab Tests

Name	Schedule Lab Tests
Description	Patient schedules lab tests for either home collection or lab walk-in.
Precondition	The patient is registered and logged in for the application. The patient has a stable internet connection.
Post-Condition	Success: Lab test is scheduled. Failure: Failed to schedule lab test.
Trigger	The user selects the diagnostic option.
Main Success Scenario	1. The user logs into the platform using their registered account. 2. The user navigates the diagnostic section and browses the available tests. 3. The user selects the specific lab test from the available test. 4. The user selects walk-in or home collection option if choice is given. 5. The application prompts the user to provide the user details. 6. The user selects the date and time slot. 7. The application displays a summary of the details for the user to review. 8. User proceeds to make payment. 9. The application confirms the lab test schedule.

Extensions	1. a. User is not already signed in.
	    1. The user is redirected to the sign in page.
	    2. Go to 1.
	2. a. User desired lab test not available.
	    1. The user is allowed to contact the helpdesk for further assistance.
	    2. Go to 2.
	3. a. The user is not aware of the lab test names and process.
	    1. The application provides further test information.
	    2. Go to 3
	4 a. The application does not provide a home collection option for the selected lab test.
	    1. The user is allowed to contact the helpdesk for further assistance.
	    2. Go to 2.
	5 a. User provides invalid details for location.
	    1. The application displays an error message to the user.
	    2. Go to 5.
	6 a. User desired slot is unavailable due to simultaneous booking.
	    1. The application displays an error message to the user.
	    2. Go to 6.
	6 b. No user desired slots available.
	    1. The application matches the closest slot to the user.
	    2. Go to 7.
	7 a. The application displays the wrong summary.
	    1. User rebooks the schedule.
	    2. Go to 1.
	8 a. User payment fails.
	    1. User is redirected to the payment process.
	    2. Go to 8

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3. Use Case for Pill Identification

Name	Pill Identification
Description	Users can identify the pill by uploading the image.
Precondition	The patient is registered and logged in for the application. The patient has given access to the application for camera and image gallery. The patient has uploaded a clear image.
Post-Condition	Success: The application provides the user with accurate pill details. Failure: The application does not provide pill information or provides wrong data.
Trigger	The user selects the pill identification option.
Main Success Scenario	1. The user opens the app and logs in. 2. The user navigates to the pill identification section 3. The application opens the device camera/image gallery. 4. The user clicks/selects an image of the pill. 5. The application checks the image for quality. 6. The user provides additional information about the pill that is known. 7. The application displays the result after analyzing the image and description.

Extensions	1. a. User is not already signed in.
	        1. The user is redirected to the sign in page.
	        2. Go to 1.
	3. a. User has not given access to the camera/image gallery.
	        1. The application asks the user to provide access to the device camera/gallery.
	        2. Go to 3.
	4. a. The user clicked image is not clear.
	        1. The application asks the user to reupload the image.
	         2. Go to 3.
	4 b. The user clicks wrong image.
	        1. The application allows the user to undo the operation.
	        2. Go to 3.
	6 a. User is not able to distinguish the physical feature.
	        1. The application includes tips and examples for easier identification.
	        2. Go to 6.