Test Case 1

Test Case 1:	Test Case Name:	Page: **1 of ..**
System:	Subsystem:	
Designed by:	Design Date:	
Executed by:	Execution Date:	
Short Description:		

Pre-conditions

Step	Action	Expected System Response	Pass/Fail	Comment
1				
2				
3				

Post-conditions

Test Case 1

Test Case 1:	**Test Case Name:** Forget password OTP Generation	**Page: 1**
System: Trigger points	**Subsystem:** Authentication	
Designed by:	**Design Date:** 30/04/25	
Executed by:	**Execution Date:**	
Short Description: Test user forgot password flow with OTP generation and verification		

Pre-conditions
- User is registered with email in the system
- The system is running and /forgot-password endpoint is available
- Email service is configured and operational
- OTP generation service is functioning

Step	Action	Expected System Response	Pass/ Fail	Comment
1	Navigate to login page and click "Forgot Password"	System displays forgot password form requesting email		
2	Enter registered email user@gmail.com	System validates email format		
3	Click "Send OTP"	System generates 6-digit OTP and sends to registered email. Displays OTP entry screen with confirmation message: "OTP sent to user@gmail.com		
4	Enter incorrect OTP	System shows error message: "Invalid OTP. Please try again."		
5	Enter correct OTP	System validates OTP and displays password reset form		
6	Enter new password that doesn't meet requirements (e.g. password length is less than 6)	Password does not meet all requirements		
7	Enter valid new password "NewPass@123" and confirm password "NewPass@123"	System accepts password		

8	Click "Reset Password"	System updates password and shows success message: "Password reset successful"		
9	Try login with old password	"Invalid password"		
10	Try login with new password "NewPass@123"	System authenticates user and system navigate to service page		

Post-conditions: -
- User password is updated in the database
- Old password no longer works for authentication
- OTP is invalidated after successful password reset

Test Case 2

Test Case 2: System:Trigger points Designed by: Executed by: Short Description: Test Hand scanning and acupressure point identification	Test Case Name: Hand recognition and Acupressure point detection Subsystem: MediaPipe Hand Landmark Detection Design Date: 30/04/25	Page:1

Pre-conditions: -
- **User is logged in to the application**
- **Device has functioning camera access**
- **User is on the hand scanning page**

Step	Action	Expected System Response	Pass/ Fail	Comment
1	Navigate to "Problem Statement" section	System displays categorized list of health conditions/problems		
2	Select specific problem (e.g., "Headache")	System acknowledges selection and System activates the camera		
3	Position hand within the frame	System uses MediaPipe to detect hand and displays real-time landmark tracking		
4	Position hand is not in the frame	Hand is not in range or not straight		
6	Click on "camera screen and then q" to quit camera	System properly closes camera stream and returns to Problem page		

Post-conditions
- Problem-specific acupressure points are accurately identified and highlighted