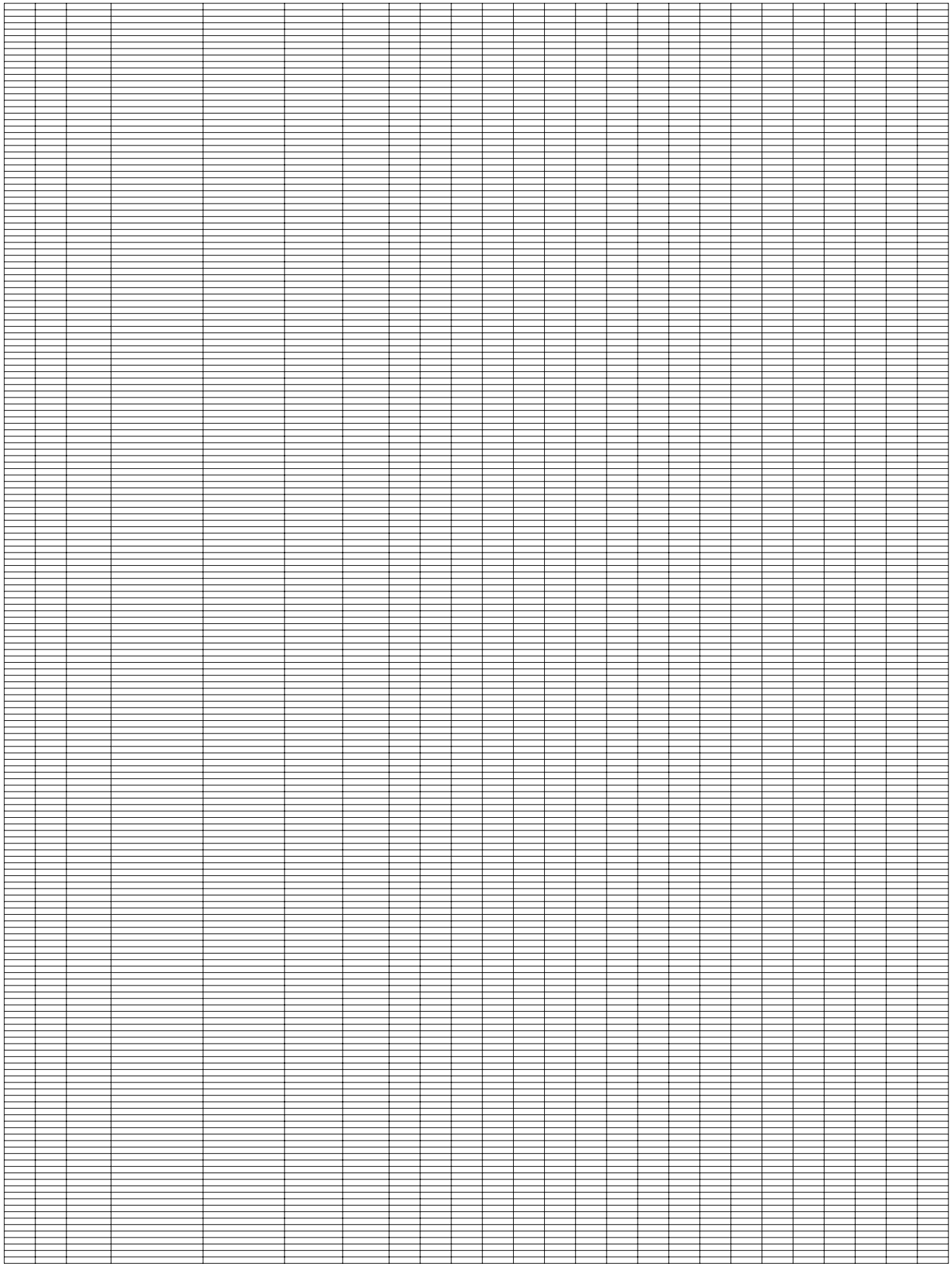
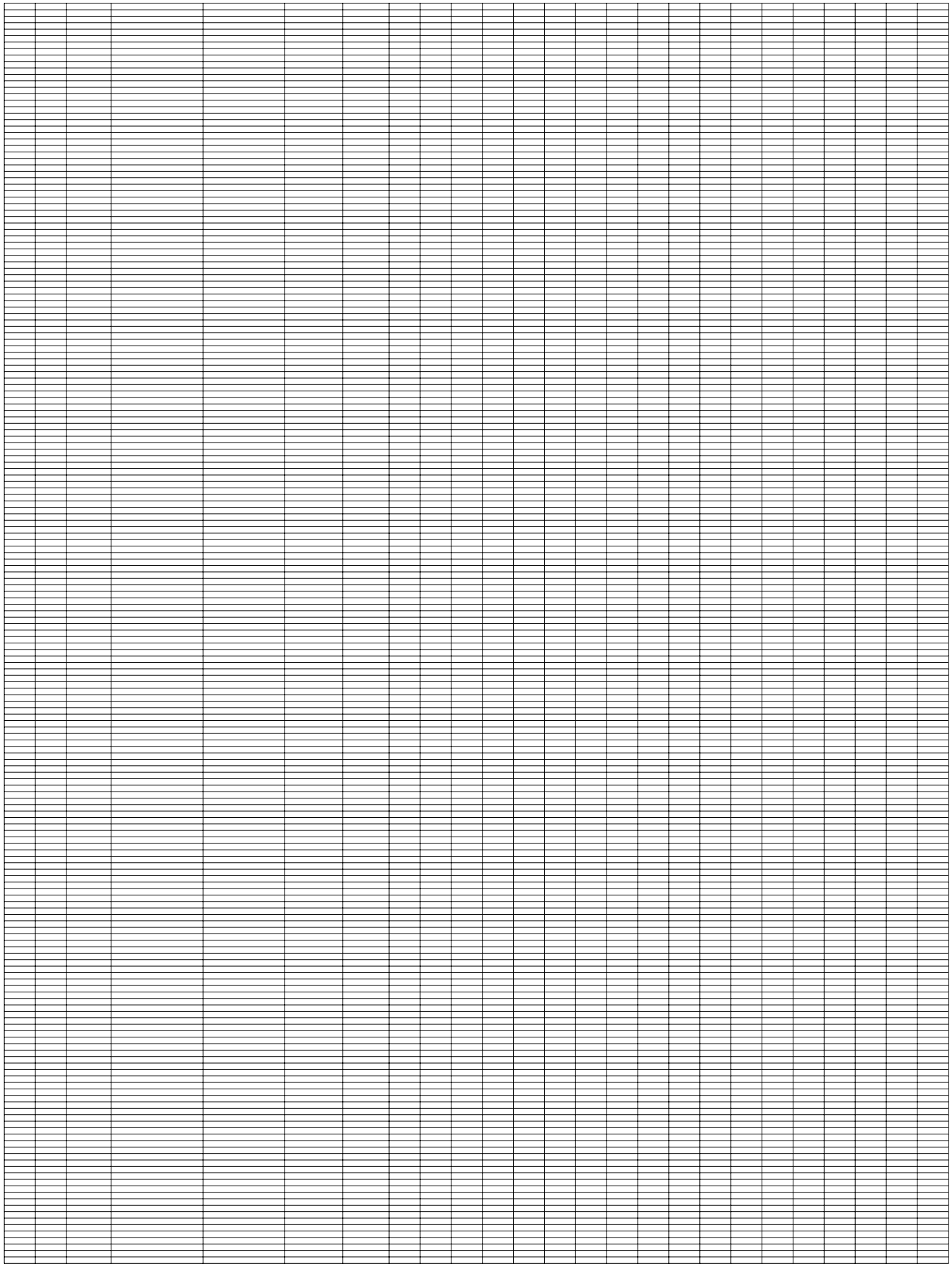
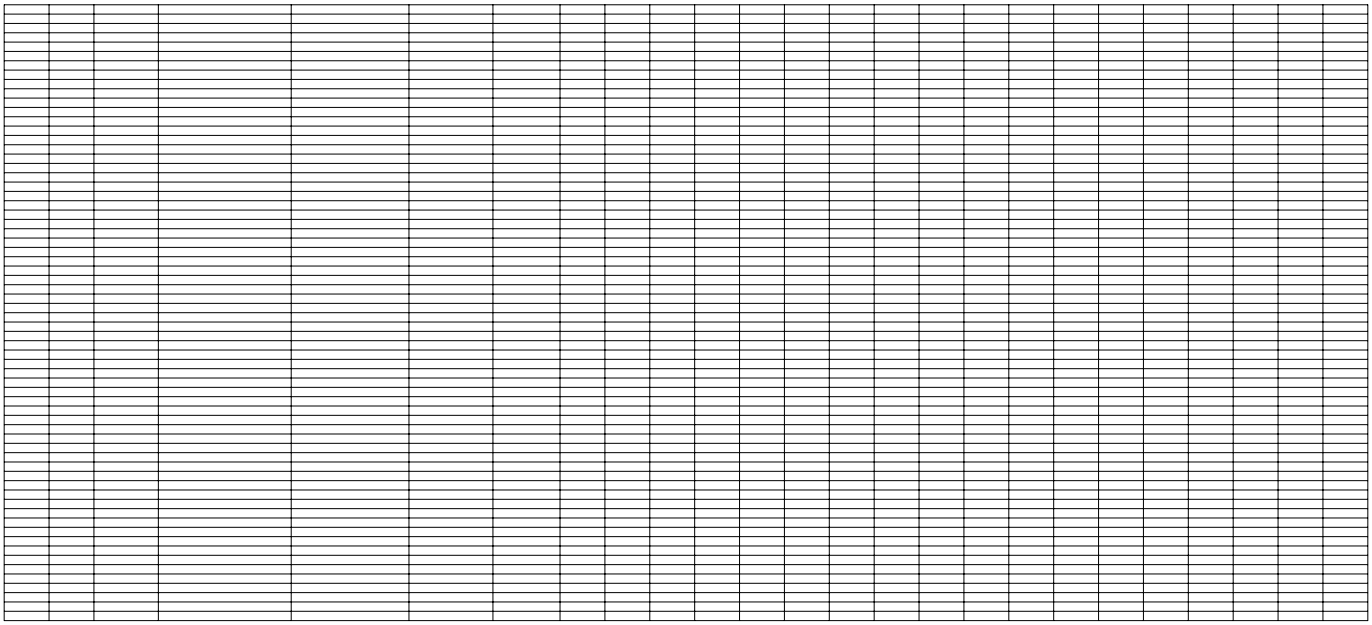
S.No	Test Case ID	Test case Title	Test Case	Test Steps	Expected Result	Actual Result	Status	Comments	Screenshots
1	TC001	Valid email login with password	- Enter a valid email address and password. - Verify that the login is successful - Verify the upper and lower case, ablphabetic and numeric value	- Click on the "Login" button. - Enter a valid email address in the email field. - Enter a valid password in the password field. - Click on the "Login" button. - Verify that the user is successfully logged in.	The user should be successfully logged in and directed to the home screen or another appropriate screen		Pass		
2	TC002	Valid Phone Number Login	- Enter a valid phone number and password. - Verify that the login is successful.	- Click on the "Login" button. - Enter a valid phone number in the phone number field. - Enter a valid password in the password field. - Click on the "Login" button. - Verify that the user is successfully logged in.	The user should be successfully logged in and directed to the home screen or another appropriate screen.		Pass		
3	TC003	Invalid Email Login	- Enter an invalid email address (e.g., missing @ symbol, incorrect format) and a valid password. - Verify that the login fails and an appropriate error message is displayed.	- click on the "Login" button. - Enter an invalid email address in the email field. - Enter a valid password in the password field. - Click on the "Login" button. - Verify that an error message is displayed indicating invalid login credentials.	The login should fail, and an error message should be displayed indicating that the email address is invalid.		Pass		
4	TC004	Invalid phone number login with password	- Enter an invalid phone number (e.g., missing country code, incorrect format) and a valid password. - Verify that the login fails and an appropriate error message is displayed	- Click on the "Login" button. - Enter an invalid phone number in the phone number field. - Enter a valid password in the password field. - Click on the "Login" button. - Verify that an error message is displayed indicating invalid login credentials.	The login should fail, and an error message should be displayed indicating that the phone number is invalid.		Pass		
5	TC005	Empty Email Login	- Leave the email field empty and enter a valid password. - Verify that the login fails and an appropriate error message is displayed.	- Navigate to the login screen. - Leave the email field empty. - Enter a valid password in the password field. - Tap on the "Login" button.	The login should fail, and an error message should be displayed indicating that the email field is required.		Pass		
6	TC006	Empty Phone Number Login	- Leave the phone number field empty and enter a valid password. - Verify that the login fails and an appropriate error message is displayed.	- Navigate to the login screen. - Leave the phone number field empty. - Enter a valid password in the password field. - Tap on the "Login" button.	The login should fail, and an error message should be displayed indicating that the phone number field is required.		Pass		
7	TC007	Incorrect Password	- Enter a valid email address/phone number and an incorrect password. - Verify that the login fails and an appropriate error message is displayed.	- Navigate to the login screen. - Enter a valid email address or phone number. - Enter an incorrect password in the password field. - Tap on the "Login" button.	The login should fail, and an error message should be displayed indicating that the password is incorrect.		Pass		
8	TC008	Login with OTP	- Select the "Login with OTP" option. - Enter a valid phone number. - Verify that an OTP is sent to the provided phone number. - Enter the received OTP. - Verify that the login is successful.	- Navigate to the login screen. - Select the "Login with OTP" option. - Enter a valid phone number in the phone number field. - Tap on the "Send OTP" button. - Wait for the OTP to be sent to the provided phone number. - Enter the received OTP in the OTP field. - Tap on the "Verify OTP" button.	The OTP should be successfully verified, and the user should be logged in, directed to the home screen, or another appropriate screen.		Pass		
9	TC009	Invalid OTP	- Select the "Login with OTP" option. - Enter a valid phone number. - Verify that an OTP is sent to the provided phone number. - Enter an incorrect OTP. - Verify that the login fails and an appropriate error message is displayed.	- Navigate to the login screen. - Select the "Login with OTP" option. - Enter a valid phone number in the phone number field. - Tap on the "Send OTP" button. - Wait for the OTP to be sent to the provided phone number. - Enter an incorrect OTP in the OTP field. - Tap on the "Verify OTP" button.	The login should fail, and an error message should be displayed indicating that the OTP is invalid.		Pass		
10	TC010	Password Reset - Email	- Select the "Forgot Password" option. - Enter a valid email address for password reset. - Verify that a password reset email is sent to the provided email address. - Follow the instructions in the email to reset the password. - Verify that the password reset is successful.	- Select the "Forgot Password" option. - Enter a valid email address associated with the account in the email field. - Tap on the "Reset Password" button. - Check the email inbox for the password reset email. - Open the password reset email. - Follow the instructions in the email to reset the password. - Set a new password for the account. - Tap on the "Confirm" or "Reset Password" button	The password should be successfully reset, and the user should be able to log in using the new password.		Pass		
11	TC011	Password Reset - Phone Number	- Select the "Forgot Password" option. - Enter a valid phone number for password reset. - Verify that an OTP is sent to the provided phone number. - Enter the received OTP. - Verify that the OTP validation is successful. - Set a new password. - Verify that the password reset is successful.	- Navigate to the login screen. - Select the "Forgot Password" option. - Enter a valid phone number associated with the account in the phone number field. - Tap on the "Reset Password" button. - Wait for an OTP to be sent to the provided phone number. - Enter the received OTP in the OTP field. - Tap on the "Verify OTP" button. - Set a new password for the account. - Tap on the "Confirm" or "Reset Password" button.	The password should be successfully reset, and the user should be able to log in using the new password.		Pass		
12	TC012	Invalid Password Reset - Email	- Select the "Forgot Password" option. - Enter an invalid email address for password reset. - Verify that a password reset email is not sent and an appropriate error message is displayed.	- Launch the application. - Navigate to the login screen. - Select the "Forgot Password" option. - Enter an invalid email address (e.g., incorrect format or unregistered email) in the email field. - Tap on the "Reset Password" button.	The password reset email should not be sent, and an error message should be displayed indicating that the email address is invalid or not registered.		Pass		
13	TC013	Invalid Password Reset - Phone Number	- Select the "Forgot Password" option. - Enter an invalid phone number for password reset. - Verify that an OTP is not sent and an appropriate error message is displayed.	- Navigate to the login screen. - Select the "Forgot Password" option. - Enter an invalid phone number (e.g., incorrect format or unregistered number) in the phone number field. - Tap on the "Reset Password" button.	The OTP should not be sent, and an error message should be displayed indicating that the phone number is invalid or not registered.		Pass		

S.No	Test Case ID	Test Case	Test Steps	Expected Result	Actual Result	Status	Comments	Screenshots																
1	TC001	Successful Image Sharing	- Open a conversation with a contact or a group. - Tap on the attachment icon to access the media options. - Select the "Gallery" or "Photos" option. - Browse and select an image from the device's gallery or camera roll. - Verify that the selected image is displayed correctly in the chat window. - Tap the send button to share the image.	Open a conversation with a contact or a group. Tap on the attachment icon to access the media options. Select the "Gallery" or "Photos" option. Browse and select an image from the device's gallery or camera roll. Verify that the selected image is displayed correctly in the chat window. Tap the send button to share the image.		Pass																		
2	TC002	Image Compression	- Open a conversation with a contact or a group. - Tap on the attachment icon to access the media options. - Select the "Gallery" or "Photos" option. - Browse and select a high-resolution image from the device's gallery or camera roll. - Verify that the image is compressed to reduce its file size. - Tap the send button to share the compressed image.	The image is successfully compressed while maintaining an acceptable level of quality, reducing the file size for efficient sharing and storage.		Pass																		
3	TC003	Image Preview and Editing	- Open a conversation with a contact or a group. - Tap on the attachment icon to access the media options. - Select the "Gallery" or "Photos" option. - Browse and select an image from the device's gallery or camera roll. - Verify that a preview of the selected image is displayed, allowing the user to edit or add text, stickers, or other effects. -Apply any desired edits or enhancements to the image. - Tap the send button to share the edited image.	The image preview is displayed correctly, and any edits or enhancements made to the image are applied accurately when shared.		Pass																		
4	TC004	Unsupported Image Format	- Open a conversation with a contact or a group. - Tap on the attachment icon to access the media options. - Select the "Gallery" or "Photos" option. - Browse and select an image in an unsupported format (e.g., RAW, TIFF). - Verify that an appropriate error message is displayed, indicating the unsupported format.	An error message is shown, indicating that the selected image format is not supported for sharing.		Pass																		
5	TC005	Exceeding Maximum Image Size	- Open a conversation with a contact or a group. - Tap on the attachment icon to access the media options. - Select the "Gallery" or "Photos" option. - Browse and select an image that exceeds the maximum allowed size for sharing. - Verify that an appropriate error message is displayed, indicating the size limit has been exceeded.	An error message is shown, regarding the size of the image		Pass																		
6	TC006	Image Sharing Limit	- Open a chat or create a new chat. - Click on the attachment icon to open the file picker. - Select more images than the maximum allowed limit. - Observe the behavior when attempting to share the images.	A validation error or warning message is displayed indicating that the image sharing limit has been exceeded.		Pass																		
7	TC007	Image Caption	- Open a chat or create a new chat. - Click on the attachment icon to open the file picker. - Select the image from the device's gallery or file explorer. - Before sending, add a caption to the image. - Send the image with the added caption. - Verify that the caption is displayed below or alongside the shared image.		The shared image is displayed with the added caption in the chat window.	Pass																		







Q2. Given the schema below for a SQL table, write a query to get the name and roll_number of the student with the highest score in maths. Student { id INT, name varchar, roll_number INT, maths_marks INT, science_marks INT, }Given the schema below for a SQL table, write a query to get the name and roll_number of the student with the highest score in maths. Student { id INT, name varchar, roll_number INT, maths_marks INT, science_marks INT, }

Ans2. SELECT name, roll_number FROM Student WHERE maths_marks = (SELECT MAX(maths_marks) FROM Student);