

Testing and Evaluation

The testing is done to check the performance of an application and how it functions. The test results of the “Improve Speech” application is illustrated below:

1. Test 1

Objective	To test fields with empty data in login page
Expected Result	Error message should be displayed
Actual Result	Error message displaying Username and Password field is required
Conclusion	Pass

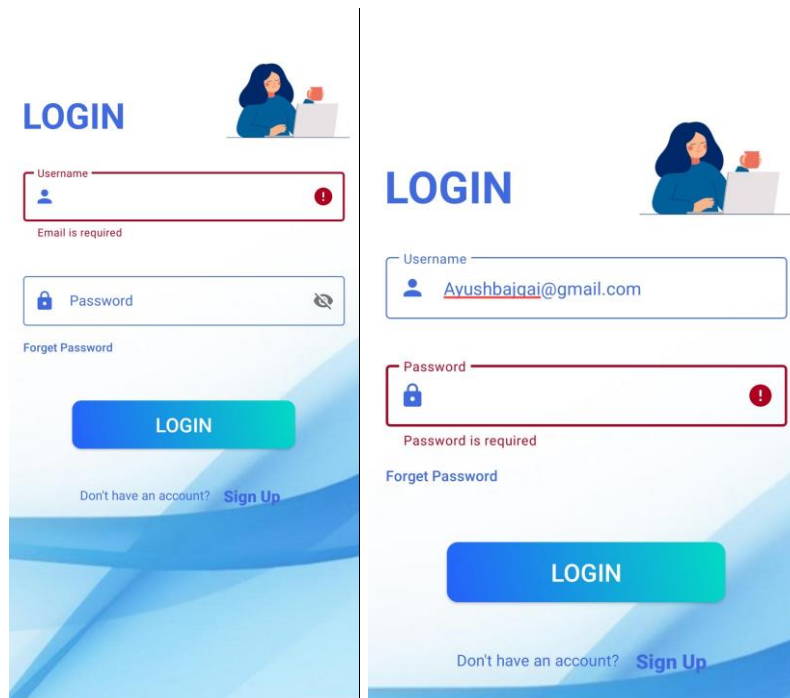


Fig 1: (Test 1) Empty field required message

2. Test 2

Objective	To test user can login with invalid email and password
Expected Result	Error message should be displayed
Actual Result	Error message displaying Invalid Username and Password
Conclusion	Pass

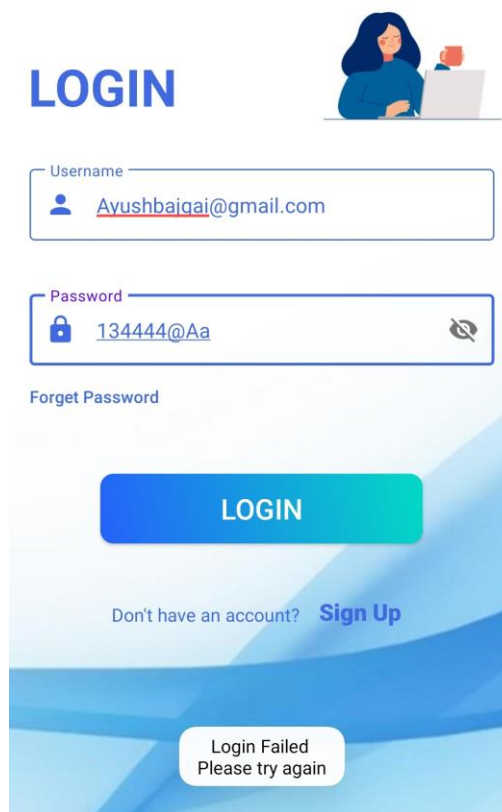



Fig 2: (Test 2) Login Failed Message

3. Test 3


Objective	To test fields of password validation in login page
Expected Result	Error message should be displayed
Actual Result	Error message displaying :

	<ul style="list-style-type: none"> • Password must contain 1 capital letter • Password must contain 1 small letter • Password must contain 1 numeric value • Password must contain 1 special character • Password shouldn't be less than 6 characters
Conclusion	Pass


Password 

Password can't be less than 6


[Forget Password](#)

Password 

Required at least 1 special character

Password 

Required at least 1 capital letter

Password 

Required at least 1 small letter

Fig 3: (Test 3) Password validation error message

A screenshot of a web form showing a 'Username' field. The field contains the text 'Hdhdhshs' and is outlined with a red border. A red exclamation mark icon is visible in the top right corner of the field. Below the field, the text 'Invalid email address' is displayed in red.

Fig 4: (Test 4) Invalid email error message

4. Test 4

Objective	To test fields of email validation
Expected Result	Error message should be displayed
Actual Result	Error message displaying: <ul style="list-style-type: none">• Invalid email address
Conclusion	Pass

A screenshot of a registration form with several fields highlighted in red to indicate required fields. The fields are: 'First Name' (with a red exclamation mark and the message 'First name is required'), 'Last Name' (with a red exclamation mark and the message 'Last name is required'), 'Email' (with a red exclamation mark and the message 'Email is required'), 'Password' (with a red exclamation mark and the message 'Password is required'), 'Contact Number' (with a red exclamation mark and the message 'Phone number is required'), and 'Address' (with a red exclamation mark and the message 'Address is required').

Fig 5: (Test 5) Field required error message

5. Test 5

Objective	To test fields with empty data in Register page
Expected Result	Error message should be displayed
Actual Result	Error message displaying: <ul style="list-style-type: none">• First Name is required• Last Name is required• Username is required• Password is required• Confirm password is required• Contact number is required• Address is required
Conclusion	Pass

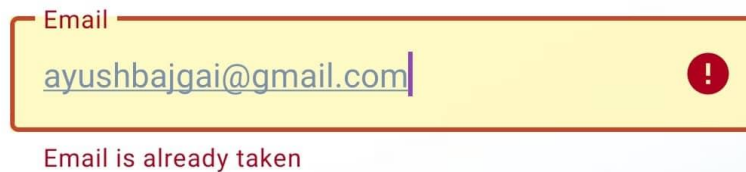


Fig 6: (Test 6) Email taken error message

6. Test 6

Objective	To test the user trying to register with same email address
Expected Result	Error message should be displayed
Actual Result	Error message displaying : <ul style="list-style-type: none">• Email has already been registered
Conclusion	Pass

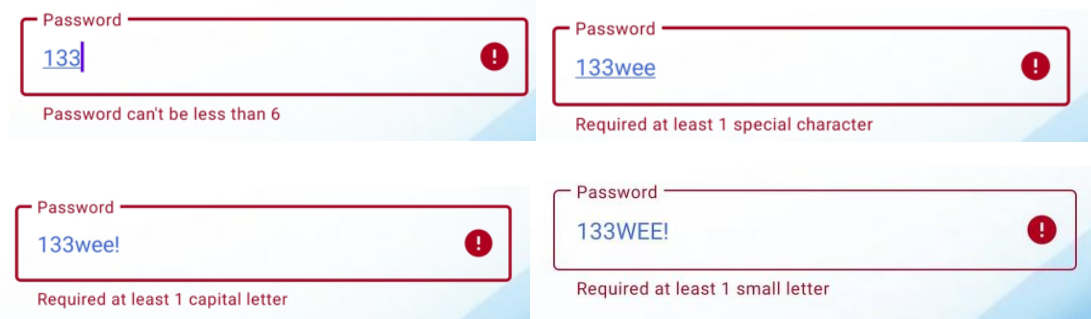


Fig 7: (Test 7) Register password validation error message

7. Test 7

Objective	To test fields of password validation in register page
Expected Result	Error message should be displayed
Actual Result	Error message displaying : <ul style="list-style-type: none"> • Password must contain 1 capital letter • Password must contain 1 small letter • Password must contain 1 numeric value • Password must contain 1 special character • Password shouldn't be less than 6 characters
Conclusion	Pass



Fig 8: (Test 8) Confirm password not matched error message

8. Test 8

Objective	To test confirm password and password when written incorrectly
Expected Result	Error message should be displayed
Actual Result	Error message displaying: <ul style="list-style-type: none"> Confirm Password not matched
Conclusion	Pass



Fig 9: (Test 9) Invalid phone number error message

9. Test 9

Objective	To test fields of contact number validation
Expected Result	Error message should be displayed
Actual Result	Error message displaying: <ul style="list-style-type: none"> Invalid phone number
Conclusion	Pass

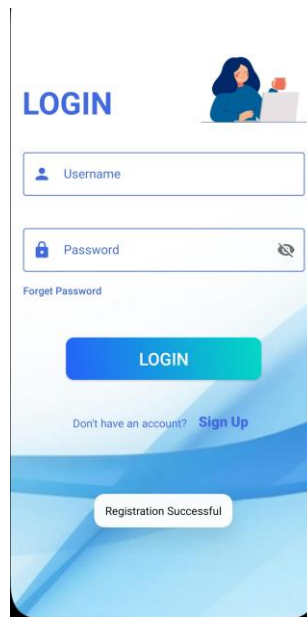


Fig 10: (Test 10) Registration Successful message

10. Test 10

Objective	To test user registered
Expected Result	Success message should be displayed and redirects user to Login page
Actual Result	Success message displaying: <ul style="list-style-type: none">• Registration Successful
Conclusion	Pass

11. Test 11

Objective	To test user login credentials
Expected Result	Success message should be displayed and redirects user to Dashboard page
Actual Result	Success message displaying:

	<ul style="list-style-type: none"> • Login Successful
Conclusion	Pass

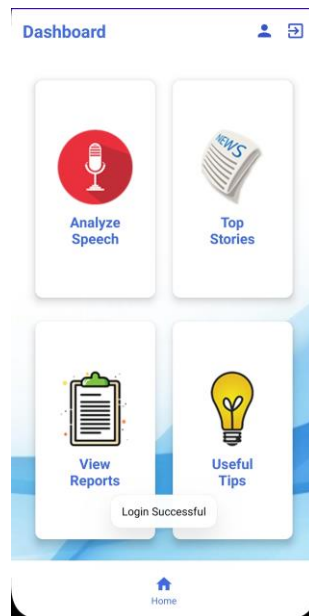


Fig 11: (Test 11) Login Successful message

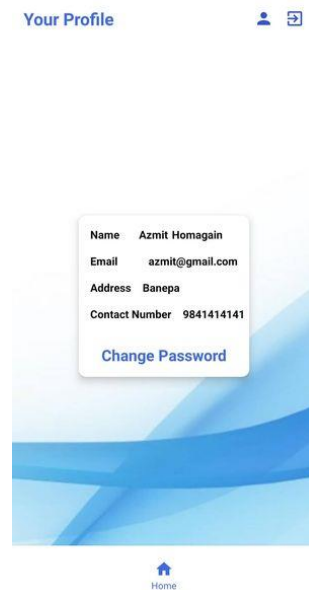


Fig 12: (Test 12) View user info

12. Test 12

Objective	To test user can view their profile
Expected Result	User can view their details on profile page
Actual Result	Displays user profile and information
Conclusion	Pass

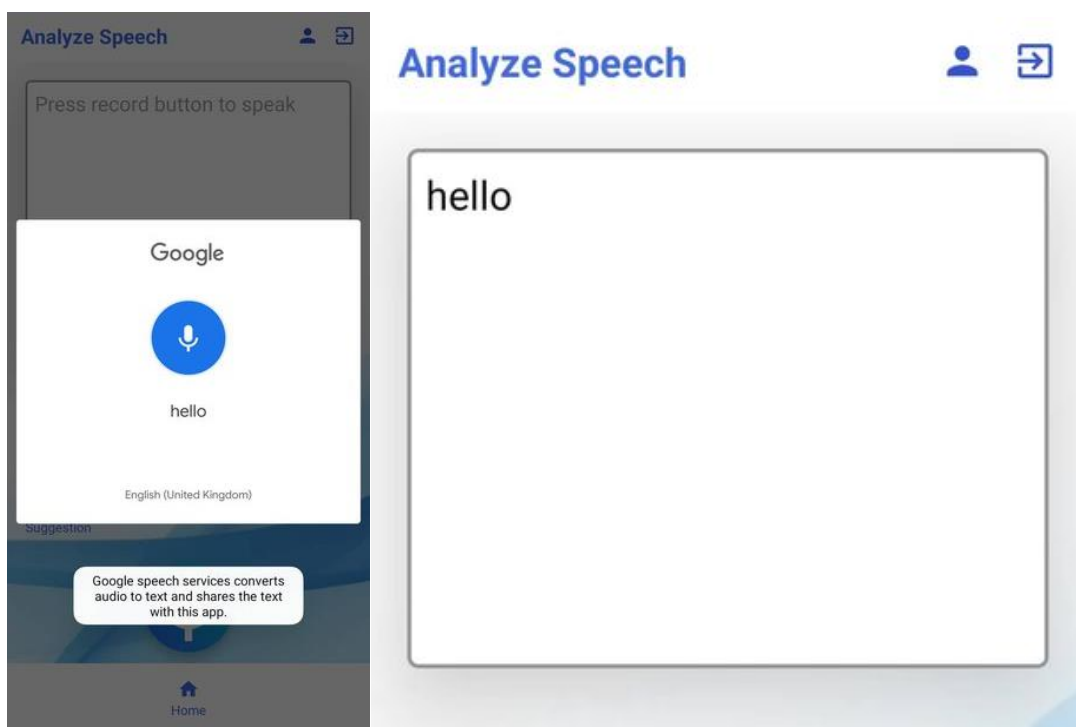


Fig 13: (Test 13) Transcribes speech to text

13. Test 13

Objective	To test user speech can be transcribe to text
Expected Result	User voice should be transcribed to text input
Actual Result	Successfully transcribes user speech into text form
Conclusion	Pass

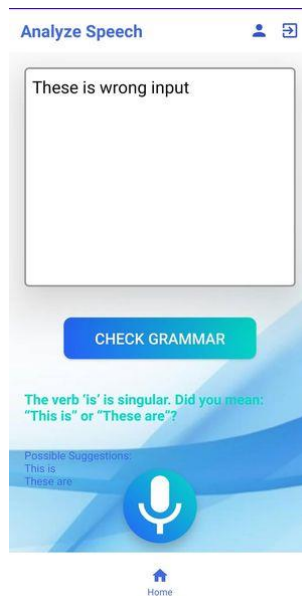


Fig 14: (Test 14) Displaying description and suggestions

14. Test 14

Objective	To test user grammar
Expected Result	Clicking on Check Grammar button provides description and suggestions to user grammar
Actual Result	Successfully provides suggestions and description message to the user
Conclusion	Pass

15. Test 15

Objective	To test user can view their report
Expected Result	User can view their profile on View Report page
Actual Result	Displays Report to user
Conclusion	Pass



Fig 15: (Test 15) Displaying User grammar reports

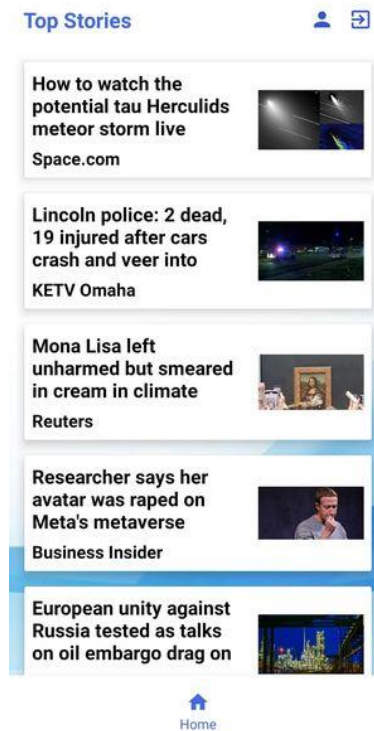


Fig 16: (Test 16) Displaying News reports

16. Test 16

Objective	To test user can view top stories
Expected Result	User can view top stories on Top Stories page
Actual Result	Displays top stories to user
Conclusion	Pass

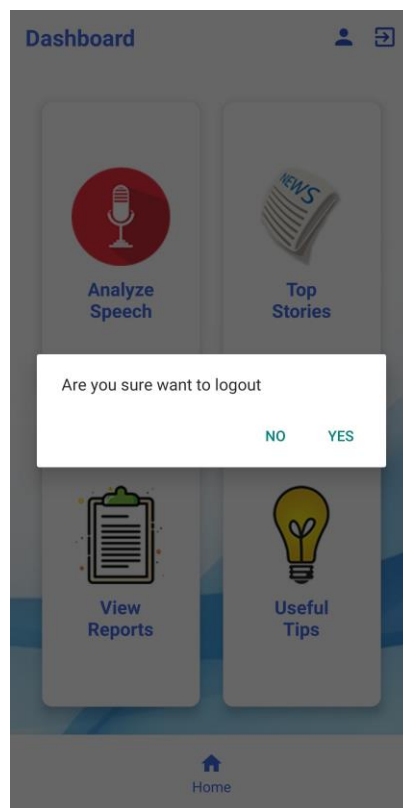


Fig 17: (Test 17) Logout message

17. Test 17

Objective	To test user should terminate from the system
Expected Result	Clicking on exit icon and again clicking on Yes message logs out from the system and redirects user to login page
Actual Result	Logs the user out from the system

Conclusion	Pass
------------	------