WhatsApp

Features-

1.chat

2. camera

3.whatsapp voice call

4.whatsapp video call

5.settings

Component test-

CHAT

1.send message to saved contacts

2.send photos and videos to saved contacts

3.search any contact in whatsapp

CAMERA

1.resolution of the camera

2.zoom in and zoom out

3.brightness

4.effects

WHATSAPP VOICE CALL

1.call to saved contacts

2.conference call

3.group call

4.duration of call can be unlimited

WHATSAPP VIDEO CALL

1.call to saved contacts

2.group calls

3.qaulity of video

SETTINGS

1.privacy

2.help o

3.account

Integration Test-

CHAT

1.while chatting with one contact, simultaneously can send message to another contact

2.while chatting with one contact can message to another contact without losing previous typed message

3.can pick or disconnect incoming call while chatting

4. Whatsapp message receive while on a normal phone call

5.can play music in background while chatting

6.can use emoji, stickers, and can send gif

CAMERA

1.camera can access the gallery of the mobile

2.can switch to front and back camera

3.photo can be edit by adding emoji and stickers

4.while using camera, can receive notifications of messages

5.while using camera a user can receive or disconnect the normal phone call as well as whatsapp voice/video call

System test-

1. When opening whatsapp, chat screen is displayed or not
2. Camera is working or not
3. Ringtone is working or not
4. Changing profile picture/ background works or not
5. Block feature working or not
6. Dark mode working or not
7. Update feature working or not
8. Password for whastapp lock working or not
9. Performance test for chat screen display/ camera display/ status display-
10. Stress test when sending docs/ images/ videos in bulk.
11. Load test when whatsapp is opened on screen and other apps in background.
12. Spike test when sending bulk docs and message simultaneously.

Music Player

Features:

1. Search songs
2. Download songs
3. Song description
4. Settings

Component test:

Search

1. While opening app, search bar is displayed in front
2. Can search any song in any language
3. Recent played is displayed when clicking on search bar.

Download songs

1. Can download any songs

Song description:

1. By clicking on any song, all the description is displayed.
2. Can switch to any other songs by swiping right/left

Settings

1. Select priority languages
2. Can select specific artist
3. Help and support for any queries and concerns

Integration test:

1. While any song is played and phone calls is received then automatically pause the song
2. Resume songs where left, after ending any calls
3. Displaying of lyrics line by line as the song plays.
4. Image/movie poster display of the song.

System test:

1. Search bar working or not
2. Searching of songs (all latest songs) is updated or not
3. Load test by testing songs is played and another app is used
4. Play pause next button is working or not
5. Spike test when randomly using play, pause and next button
6. Songs playing or not while phone lock
7. Stress test while having/downloading variety of songs from diff language