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Note

All the test cases presented in this document are based on the SRS (Software Requirements Specification), SA/SD (Structured Analysis and System Design), and UML (Unified Modeling Language) designs.

The purpose of these test cases is to verify that the Zoom system meets the requirements specified in the SRS, and that it functions as intended according to the SA/SD and UML designs. These test cases cover a wide range of scenarios and functionalities, and are designed to ensure that the Zoom system is thoroughly tested and validated.

There are around 20 test cases provided below

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Test Cases

#### 1 : Log in to Zoom account

Description: User wants to log in to their Zoom account to access the platform's features. Preconditions: The user has a valid Zoom account.

Test Steps:

1. Enter the Zoom website's URL in a web browser.
2. Click on the "Log in" button on the homepage.
3. Enter the registered email address and password in the required fields.
4. Click on the "Sign In" button.

Expected Results:

* Users should be successfully logged in to their Zoom account.
* Users should have access to all the features associated with their Zoom account.

Test Data:

* Valid registered email address and password.

Test Environment:

* Desktop computer or mobile device with a web browser.
* Stable internet connection.

Test Results:

* Pass: User was able to log in to their Zoom account successfully.
* Fail: User was unable to log in to their Zoom account due to incorrect login credentials.

#### 2 : Schedule meeting

Description: User wants to schedule a meeting on the Zoom platform. Preconditions: The user has a valid Zoom account and is logged in.

Test Steps:

1. Click on the "Schedule a Meeting" button on the Zoom dashboard.
2. Fill in the meeting details, including the date, time, and duration.
3. Add any additional meeting options, such as password protection or waiting room.
4. Click on the "Schedule" button.

Expected Results:

* Meeting should be successfully scheduled and saved to the user's Zoom account.
* Meeting details should be displayed to the user.

Test Data:

* Meeting date, time, and duration.
* Additional meeting options, such as password protection or waiting room.

Test Environment:

* Desktop computer or mobile device with a web browser.
* Stable internet connection.

Test Results:

* Pass: User was able to schedule the meeting successfully.
* Fail: User was unable to schedule the meeting due to errors in meeting details or technical issues with the platform.

#### 3 : Join Meeting

Description: This use case allows attendees to join a Zoom meeting hosted by the user. Preconditions: The user must have scheduled the meeting and shared the meeting link or access code with the attendees.

Test Steps:

1. Attendee clicks on the meeting link or enters the access code provided by the user.
2. Attendee enters their name and email address.
3. Attendee selects whether to join with computer audio or phone audio.
4. Attendee clicks on "Join Meeting" button.

Expected Results:

1. Attendee is redirected to the Zoom meeting page.
2. Attendee's name and email address is displayed in the list of attendees.
3. Attendee's audio is enabled according to their selection.
4. Attendee is successfully joined to the meeting.

Test Data:

* Meeting link:<https://zoom.us/j/1234567890>
* Access code: 123456
* Attendee name: John Smith
* Attendee email: john.smith@example.com

Test Environment:

* Operating system: Windows 10
* Browser: Google Chrome v.92

Test Results:

* Test case passed: All steps executed as expected, attendee successfully joined the meeting.
* Test case failed: Attendee was not able to join the meeting, encountered an error message.

#### 4 : Generate Meeting Link and Access Code

Description: As a user of Zoom, I want to generate a unique meeting link and access code for my scheduled meeting so that only authorized attendees can join the meeting. Preconditions: The user must be logged in to their Zoom account and have scheduled a meeting.

Test Steps:

1. Navigate to the scheduled meeting in the Zoom account.
2. Click on the "Generate meeting link and access code" option.
3. Verify that a unique meeting link and access code are generated.

Expected Results: The system should generate a unique meeting link and access code for the scheduled meeting.

Test Data:

* Meeting scheduled for May 10th at 10:00am
* User with a Basic Zoom account

Test Environment:

* Zoom desktop application on Windows 10
* Zoom web application on Google Chrome browser

Test Results:

* Pass: A unique meeting link and access code are generated.
* Fail: Meeting link and/or access code are not unique or are not generated.

#### 5 : Send Meeting Invite

Description: As a user of Zoom, I want to send a meeting invite to attendees so that they can join the scheduled meeting. Preconditions: The user must be logged in to their Zoom account and have scheduled a meeting.

Test Steps:

1. Navigate to the scheduled meeting in the Zoom account.
2. Click on the "Send meeting invite" option.
3. Enter the email addresses of the attendees.
4. Click on the "Send" button.
5. Verify that the meeting invite has been sent to the attendees.

Expected Results: The system should send the meeting invite to the specified email addresses.

Test Data:

* Meeting scheduled for May 10th at 10:00am
* Attendees: john@example.com, jane@example.com
* User with a Basic Zoom account

Test Environment:

* Zoom desktop application on Windows 10
* Zoom web application on Google Chrome browser

Test Results:

* Pass: Meeting invite is sent to the specified email addresses.
* Fail: Meeting invite is not sent or is sent to the wrong email addresses.

#### 6 : Enable Audio and Video

Description: As an attendee of a Zoom meeting, I want to enable my audio and video so that I can participate in the meeting. Preconditions: The attendee must have joined the meeting.

Test Steps:

1. Click on the "Join Audio" button.
2. Select the "Computer Audio" option.
3. Verify that the audio is enabled.
4. Click on the "Start Video" button.
5. Verify that the video is enabled.

Expected Results: The system should enable the attendee's audio and video for the meeting.

Test Data:

* Meeting scheduled for May 10th at 10:00am
* Attendee with a Basic Zoom account

Test Environment:

* Zoom desktop application on Windows 10
* Zoom web application on Google Chrome browser

Test Results:

* Pass: Audio and video are enabled for the attendee.
* Fail: Audio or video is not enabled for the attendee.

#### 7 : Start Meeting

Description: This use case describes the process of starting a scheduled Zoom meeting. Preconditions: A scheduled Zoom meeting exists.

Test Steps:

1. Login to Zoom account.
2. Click on the "Meetings" tab.
3. Click on the scheduled meeting that needs to be started.
4. Click on the "Start" button.
5. Wait for the meeting to start.

Expected Results: The scheduled meeting should start successfully and the host should be able to see the attendees in the meeting.

Test Data: Meeting ID: 1234567890 Meeting Password: mypassword

Test Environment: Zoom desktop application version 5.7.0 on Windows 10.

Test Results: The scheduled meeting started successfully and the host was able to see the attendees in the meeting.

#### 8 : Share Screen

Description: This use case describes the process of sharing the screen in a Zoom meeting. Preconditions: A Zoom meeting is ongoing.

Test Steps:

1. Click on the "Share Screen" button in the meeting controls.
2. Choose the screen that needs to be shared.
3. Click on "Share".

Expected Results: The selected screen should be shared with the meeting attendees and they should be able to see it.

Test Data: Screen resolution: 1920x1080

Test Environment: Zoom desktop application version 5.7.0 on macOS.

Test Results: The selected screen was shared successfully with the meeting attendees and they were able to see it.

#### 9 : Record Meeting

Description: This use case describes the process of recording a Zoom meeting. Preconditions: A Zoom meeting is ongoing.

Test Steps:

1. Click on the "Record" button in the meeting controls.
2. Choose to record the meeting locally or to the cloud.
3. Wait for the meeting to finish.
4. Stop the recording.

Expected Results: The meeting should be recorded successfully and the recording should be saved either locally or in the cloud.

Test Data: Recording mode: Local recording Recording format: MP4

Test Environment: Zoom desktop application version 5.7.0 on Windows 10.

Test Results: The meeting was recorded successfully in MP4 format and saved locally on the host's computer.

#### 10 : Transcribe Meeting

Description: The user wants to transcribe the meeting to have a written record of the discussion. Preconditions:

* The user must be logged into their Zoom account.
* A meeting must have been conducted and recorded.

Test Steps:

1. Login to Zoom account.
2. Navigate to the recorded meeting.
3. Click on the "Transcribe" button.
4. Wait for the transcription process to complete.
5. Check the accuracy of the transcribed text.
6. Save the transcribed text to a file.

Expected Results:

* The "Transcribe" button is visible and clickable.
* The transcription process completes successfully.
* The transcribed text is accurate.
* The transcribed text is saved to a file.

Test Data:

* Meeting ID: 123456789
* Meeting recording file: recording.mp4

Test Environment:

* Device: Windows 10
* Browser: Google Chrome
* Zoom version: 5.8.0

Test Results:

* The "Transcribe" button was visible and clickable.
* The transcription process completed successfully within 15 minutes.
* The transcribed text was accurate with only a few minor errors.
* The transcribed text was saved to a file in the desired location.

#### 11 : End Meeting

Description: The user wants to end the ongoing meeting. Preconditions:

* The user must be logged into their Zoom account.
* A meeting must be ongoing.

Test Steps:

1. Login to Zoom account.
2. Navigate to the ongoing meeting.
3. Click on the "End Meeting" button.
4. Confirm the decision to end the meeting.
5. Verify that the meeting has ended.

Expected Results:

* The "End Meeting" button is visible and clickable.
* A confirmation prompt appears before ending the meeting.
* The meeting ends immediately after confirmation.

Test Data:

* Meeting ID: 987654321

Test Environment:

* Device: Macbook Pro
* Browser: Safari
* Zoom version: 5.9.0

Test Results:

* The "End Meeting" button was visible and clickable.
* The confirmation prompt appeared as expected.
* The meeting ended immediately after confirmation without any issues.

#### 12 : Leave Meeting

Description: The attendee wants to leave the ongoing meeting. Preconditions:

* The attendee must have joined the ongoing meeting.

Test Steps:

1. Click on the "Leave Meeting" button.
2. Confirm the decision to leave the meeting.
3. Verify that the attendee has left the meeting.

Expected Results:

* The "Leave Meeting" button is visible and clickable.
* A confirmation prompt appears before leaving the meeting.
* The attendee leaves the meeting immediately after confirmation.

Test Data:

* Meeting ID: 555666777
* Attendee Name: John Smith

Test Environment:

* Device: iPhone 12
* Browser: Safari
* Zoom app version: 5.9.5

Test Results:

* The "Leave Meeting" button was visible and clickable.
* The confirmation prompt appeared as expected.
* The attendee left the meeting immediately after confirmation without any issues.

#### 13: Change Video Layout

Description: As a host, I want to be able to change the video layout of my Zoom meeting, so that I can adjust the appearance of the meeting as needed.

Preconditions:

* User has logged in to their Zoom account.
* User has scheduled a meeting.
* User has started the meeting.

Test Steps:

1. Click on the "Video Layout" button in the Zoom meeting toolbar.
2. Select a video layout option from the dropdown menu.
3. Observe the video layout change in the meeting window.

Expected Results:

* The "Video Layout" button should be clickable and visible in the meeting toolbar.
* The dropdown menu should contain several video layout options to choose from.
* The selected video layout should be applied to the meeting window, with participant video feeds rearranged according to the chosen layout.

Test Data:

* Zoom meeting ID
* Zoom meeting password (if applicable)

Test Environment:

* Zoom desktop client
* Zoom meeting with multiple participants

Test Results:

* Pass: The video layout button is clickable, the dropdown menu contains several options, and the selected layout is applied to the meeting window.
* Fail: The video layout button is not visible or clickable, the dropdown menu does not contain any options, or the selected layout is not applied to the meeting window.

#### 14 : Change Meeting Settings

Description: As a user, I want to be able to change the settings of a scheduled meeting. Preconditions: User is logged in to their Zoom account and has a scheduled meeting.

Test Steps:

1. Navigate to the scheduled meeting on the user's Zoom account dashboard.
2. Click on the "Settings" option for the scheduled meeting.
3. Change any desired settings, such as the meeting duration or participant permissions.
4. Save the changes.

Expected Results: The meeting settings should be successfully changed and saved.

Test Data: A scheduled meeting with default settings.

Test Environment: Zoom web application.

Test Results: The meeting settings are successfully changed and saved.

#### 15 : Mute All Participants

Description: As a meeting host, I want to be able to mute all participants in the meeting. Preconditions: User is logged in to their Zoom account and has started a meeting with multiple participants.

Test Steps:

1. Click on the "Manage Participants" button on the meeting toolbar.
2. Click on the "Mute All" button on the bottom of the participants list.
3. Confirm the action.
4. Verify that all participants have been muted.

Expected Results: All participants in the meeting should be successfully muted.

Test Data: A meeting with multiple participants.

Test Environment: Zoom desktop application.

Test Results: All participants are successfully muted.

Use Case Name: Record and Share Meeting Description: As a user, I want to be able to record a meeting and share the recording with other attendees. Preconditions: User is logged in to their Zoom account and has started a meeting.

Test Steps:

1. Click on the "Record" button on the meeting toolbar.
2. Choose whether to record locally or to the cloud.
3. Start the recording.
4. End the recording.
5. Navigate to the recorded meeting in the user's Zoom account dashboard.
6. Click on the "Share" button for the recorded meeting.
7. Enter the email addresses of the attendees to share the recording with.
8. Send the recording to the attendees.

Expected Results: The meeting recording should be successfully shared with the specified attendees.

Test Data: A meeting with at least one attendee.

Test Environment: Zoom web application.

Test Results: The meeting recording is successfully shared with the specified attendees.

#### 16 : Change Audio Settings

Description: As a user, I want to be able to change the audio settings for a meeting. Preconditions: User is logged in to their Zoom account and has started a meeting.

Test Steps:

1. Click on the "Audio Settings" button on the meeting toolbar.
2. Change any desired audio settings, such as the speaker or microphone device.
3. Save the changes.

Expected Results: The audio settings for the meeting should be successfully changed and saved.

Test Data: A meeting with default audio settings.

Test Environment: Zoom desktop application.

Test Results: The audio settings for the meeting are successfully changed and saved.

#### 17 : Manage Participants

Description: User can manage participants during a meeting Preconditions: User has started a meeting with at least one attendee

Test Steps:

1. User clicks on the "Manage Participants" button
2. User removes one participant from the meeting
3. User adds a new participant to the meeting
4. User changes the role of a participant from attendee to co-host

Expected Results:

1. The "Manage Participants" window opens
2. The selected participant is removed from the meeting and can no longer participate
3. The new participant is added to the meeting and can participate
4. The selected participant's role is changed from attendee to co-host and they have additional permissions in the meeting

Test Data:

* Meeting with 5 attendees
* New participant email address

Test Environment:

* Zoom desktop application on Windows 10

Test Results:

* All steps pass, the user is able to manage participants as expected

#### 18 : Share Video Clip

Description: User can share a video clip with meeting attendees Preconditions: User has started a meeting

Test Steps:

1. User clicks on the "Share Screen" button
2. User selects the option to share a video clip
3. User selects a video clip to share from their local device
4. User plays the video clip and confirms it is successfully shared with attendees

Expected Results:

1. The "Share Screen" window opens
2. The user selects the option to share a video clip
3. The user selects a video clip to share and it is successfully loaded
4. The video clip plays and is successfully shared with attendees

Test Data:

* Video clip saved on user's local device

Test Environment:

* Zoom desktop application on macOS

Test Results:

* All steps pass, the user is able to share a video clip with meeting attendees

#### 19 : Share Whiteboard

Description: User can share a whiteboard with meeting attendees Preconditions: User has started a meeting

Test Steps:

1. User clicks on the "Share Screen" button
2. User selects the option to share a whiteboard
3. User draws on the whiteboard and confirms it is successfully shared with attendees

Expected Results:

1. The "Share Screen" window opens
2. The user selects the option to share a whiteboard
3. The user is able to draw on the whiteboard and attendees are able to see the changes in real-time

Test Data: None

Test Environment:

* Zoom web application on Google Chrome browser

Test Results:

* All steps pass, the user is able to share a whiteboard with meeting attendees

#### 20 : Share Virtual Background

Description: As a participant, I want to be able to share a virtual background in my Zoom meeting, so that I can personalize my appearance during the meeting.

Preconditions:

* User has logged in to their Zoom account.
* User has joined a meeting.

Test Steps:

1. Click on the "Virtual Background" button in the Zoom meeting toolbar.
2. Select a virtual background from the available options.
3. Observe the virtual background applied to the user's video feed.

Expected Results:

* The "Virtual Background" button should be clickable and visible in the meeting toolbar.
* The available virtual background options should be displayed, and the user should be able to select one.
* The selected virtual background should be applied to the user's video feed.

Test Data:

* Zoom meeting ID
* Zoom meeting password (if applicable)

Test Environment:

* Zoom desktop client
* Zoom meeting with multiple participants

Test Results:

* Pass: The virtual background button is clickable, the available options are displayed, and the selected virtual background is applied to the user's video feed.
* Fail: The virtual background button is not visible or clickable, the available options are not displayed, or the selected virtual background is not applied to the user's video feed.