Use Cases of MS Teams

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Software Engineering Concepts

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MS Teams Use Cases

Following are the use cases for MS Teams. I have made diagram as well at the end.

Use Case ID:	U1
Use Case Name	Login
Use Case Overview	To login into one's account.
Actor(s)	Students, Teachers
Preconditions	App is installed, Internet
Trigger	Select login button
Steps	• Enter email and password. • Click login button.
Post Conditions	• Must be a registered user in database.
Exception Flow	• If user not found, error message is shown.

Use Case ID:	U2
Use Case Name	Signup
Use Case Overview	To create account.
Actor(s)	Students, Teachers
Preconditions	App is installed, Internet
Trigger	Select signup button
Steps	• Enter user details. • Click signup button.
Post Conditions	• Must not be a registered user in database.
Exception Flow	• If user found, error message is shown.

Use Case ID:	U3
Use Case Name	Team (Join and Leave)
Use Case Overview	Teams join and leave.
Actor(s)	Students
Preconditions	App is installed, Internet
Trigger	Select team from list or join by team code.
Steps	• To join, enter team code. • To leave, press appropriate button.
Post Conditions	N/A
Exception Flow	• If pin is wrong, error is shown. • If team is private, error.

Use Case ID:	U4
Use Case Name	Post/Comment
Use Case Overview	To post in an existing team.
Actor(s)	Students, Teachers
Preconditions	App is installed, Internet
Trigger	Type text and click button.
Steps	• Enter text/data. • Click button.
Post Conditions	• Must be a registered user in database.
Exception Flow	N/A

Use Case ID:	U5
Use Case Name	Meeting
Use Case Overview	To join/leave, view/listen, and record a meeting. A meeting can occur in any team within MS Teams. Screen share can occur and reactions or voice can be sent.
Actor(s)	Students, Teachers
Preconditions	App is installed, Internet, Team must exist
Trigger	Click meeting link or button
Steps	• Click meeting link or button. • Setup camera or mic. • Click 'Join' button.
Post Conditions	• Must be a registered user in database. • Team must exist. • Meeting must be started.
Exception Flow	N/A

Use Case ID:	U6
Use Case Name	Manage Meeting
Use Case Overview	To manage meeting permissions, mute students, or override any team activity.
Actor(s)	Teachers
Preconditions	App is installed, Internet, Team must exist
Trigger	Variety of triggers
Steps	• Click mic toggle button to mute/unmute. • Click camera toogle to show/hide. • Remove trigger to remove student.
Post Conditions	• Must be a registered user in database. • Team must exist. • Meeting must be started. • Control to teacher must be present.
Exception Flow	N/A

Use Case ID:	U7
Use Case Name	Create Quiz/Assignment
Use Case Overview	To create quiz or assignment.
Actor(s)	Teachers
Preconditions	App is installed, Internet, Team must exist
Trigger	Click new assignment button
Steps	- Click assignment creation button. - Specify details.
Post Conditions	- Must be a registered user in database. - Team must exist.
Exception Flow	N/A

Use Case ID:	U8
Use Case Name	Upload/Download Files
Use Case Overview	To upload or download files to a particular team.
Actor(s)	Students, Teachers
Preconditions	App is installed, Internet, Team must exist
Trigger	- Upload file button to upload. - Click on file to download.
Steps	- To upload, an upload button must be pressed. ➢ Then file must be selected. - To download, file from team must be selected. ➢ And download button pressed.
Post Conditions	- Must be a registered user in database. - Team must exist. - User must be a part of team.
Exception Flow	N/A

MS Teams Use Cases : General Diagrams

Teacher Use Case

Teacher

- login
- Signup
- logout
- Search
- manage files
- Create team
- Post/ Comment
- Add team members
- Screen Share
- <<extend>>
- Meeting
- <<incl>> Start meeting
- <<ind>> End meeting
- Speak
- Manage meeting
- Create quiz/ assignment
- <<include>> Remove Student
- <<include>> Control Student Permissions
- <<include>> Upload/ download files
- <<include>> give grades