ClassDiscuz

18641 – Team Project

Use Cases

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Table 1 Use Case Details - USER-SIGN-UP: Sign up

Use Case ID: USER-SIGN-UP	Use Case Name: Sign up
Primary Actor(s):	First time user
Secondary Actor(s):	N/A
Description:	Register an account in ClassDiscuz, store user info
Preconditions:	User hasn't logged in
Normal Flow of Events:	1.Enter username 2.Enter password 3.Enter password again 4.Click "sign up"
Postconditions:	User account informations are stored
Frequency of Use:	Low
Alternative Flows:	User can click "back" to back to home page
Exceptions:	User doesn't input the correct username or password format or username already existed
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 2 Use Case Details - USER-SIGN-IN: Sign in

Use Case ID: USER-SIGN-IN	Use Case Name: Sign in
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	User log in the application, restore the saved info
Preconditions:	User hasn't logged in
Normal Flow of Events:	1.Enter username 2.Enter password 3.Click "sign in"
Postconditions:	Log in app, direct to the user's class schedule page
Frequency of Use:	High
Alternative Flows:	Wrong username and password combination then request user try again. User can click "back" to back to home page
Exceptions:	N/A
Assumptions:	Username exist in server
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 3 Use Case Details - VIEW-CINFO: View Course Information

Use Case ID: VIEW-CINFO	Use Case Name: View Course Information
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	View the course information
Preconditions:	User is in the class schedule page
Normal Flow of Events:	1. User click one course. 2. The course information page is shown. There are course number, name, date, time, place, instructor, office hour, and a google map which show the location of the building.
Postconditions:	If user come back to class schedule page, their Focus points will be updated to database.
Frequency of Use:	High
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	User has added at least one courses.
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 4 Use Case Details – EDIT-CINFO: Edit Course Information

Use Case ID: EDIT-CINFO	Use Case Name: Edit Course Information
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Edit the course information
Preconditions:	User was in the course information page
Normal Flow of Events:	1. User click the "Edit" bottom. 2. The course information edit page is shown. 3. User will enter number, name, date, time, building, room, instructor, office hour. 4. If user finish entering the information, he/she will click the "save" bottom.
Postconditions:	1. The new course information will be added to database. 2. After save, it will return back to course information page. 3. The course information page will show the new information
Frequency of Use:	Low
Alternative Flows:	N/A
Exceptions:	If the user click "save", entering nothing in step 3, then the course information will not change.
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 5 Use Case Details - ADD-COUR: Add Course

Use Case ID: ADD-COUR	Use Case Name: Add Course
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Add a course to user's class schedule
Preconditions:	User is already logged into ClassDiscuz and class schedule page is displayed.
Normal Flow of Events:	1. User presses "add course" 2. User enters course ID in ID filed textboxes or touches into name field and enters course name 3. User presses "search" 4. ClassDiscuz displays a list of search results 5. User selects a course 6. User presses "register". ClassDiscuz class schedule page
Postconditions:	Return to class schedule page, a course registered by the user is added to database.
Frequency of Use:	Low
Alternative Flows:	If there is no course displayed in step 4, user can only press "cancel" If user press "cancel" in step 2, ClassDiscuz return to class schedule page If user press "cancel" in step 4-6. ClassDiscuz return to step 2
Exceptions:	1. in step 3, if user presses "search" without entering any entering anything in ID field textboxes or name field box, ClassDiscuz displays error message. 2. In step 3, if the course ID/course name that user entered is malicious format, ClassDIscuz displays error message. 3. In step 6, if user presses "register" without selecting any course, ClassDiscuz displays error message. 4. In step 6, if user tries to register a course that is time-conflicting with another registered course, ClassDiscuz displays error message.
Assumptions:	User knows (part of) course ID or course name that he/she wants to add to class schedule
Issues:	TBD
Source:	N/A

Includes:	N/A
Associated Requirements:	N/A

Table 6 Use Case Details DROP-COUR: Drop Course

Use Case ID: DROP-COUR	Use Case Name: Drop Course
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	If the user doesn't want to take one course, he could drop the course
Preconditions:	User was in the course schedule page.
Normal Flow of Events:	1. User click drop course bottom 2. The drop course page is displayed. 3. Student choose one or more course he/she wants to drop. 4. Click the confirm, the course will be drop.
Postconditions:	The courses which are drop will be delete from database.
Frequency of Use:	Low
Alternative Flows:	If the user doesn't choose courses and click the confirm, a dialog will tell them to select one course.
Exceptions:	If students haven't registered course, the drop page will show "No course can be dropped"
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 7 Use Case Details - USER-PROFILE: View profile

Use Case ID: USER-PROFILE	Use Case Name: View profile
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	View a user's profile page which including his/her info
Preconditions:	User is signed in

Normal Flow of Events:	1. User click "profile" at the upper right corner
	2. Be redirected to the profile page
	3. Press "Back"
	  a.If user directed from chat page then back to chat page
	  b.If user directed from schedule page then back to schedule page

Postconditions:	Redirect to chat page or class schedule page
Frequency of Use:	High
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 8 Use Case Details - EDIT-PROFILE: Edit profile

Use Case ID: EDIT-PROFILE	Use Case Name: Edit profile
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Edit user's info in profile page
Preconditions:	User is editing his/her profile page
Normal Flow of Events:	1.Change the text filed needed to be changed 2.Click save
Postconditions:	Modified information be updated in server. User be redirected to profile page again
Frequency of Use:	Low
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	User is signed in
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 9 Use Case Details - CHS-FM: Choose Focus Mode

Use Case ID: CHS-FM	Use Case Name: Choose Focus Mode
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Choose the focus mode
Preconditions:	User went to the class schedule page

Normal Flow of Events:	1. User click the Focus bottom
	2. The ClassDiscuz displays the Focus page, show the remaining focus time
	3. User shouldn't close the Focus page until the remaining time is 0.
	4. User may do the following things
	   a. Do noting until the remaining time is 0. Then the system will give user remaining points.
	   b. User close the Focus page to do other things. Then the system will deduct the Focus points.
	5. When the Focus finishes, the page will display the leaderboard, which will list the top 10 Focus students.

Postconditions:	If user come back to class schedule page, their Focus points will be updated to database.
Frequency of Use:	Medium
Alternative Flows:	N/A
Exceptions:	If the user enter the Focus page when it's not class time, the Focus page will show "It's not class time"
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 10 Use Case Details - SWI- CS: Switch to Class Schedule

Use Case ID: SWI-CS	Use Case Name: Switch to Class Schedule
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Switch tab to Class Schedule page
Preconditions:	User is already logged into ClassDiscuz and chat page is displayed.
Normal Flow of Events:	1. User presses "Class Schedule" tab 2. ClassDiscuz displays Class Schedule page
Postconditions:	ClassDiscuz displays Class Schedule page
Frequency of Use:	High
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 11 Use Case Details - SWI- CHAT: Switch to Chat

Use Case ID: SWI-CHAT	Use Case Name: Switch to Chat
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Switch tab to chat page
Preconditions:	User is already logged into ClassDiscuz and class schedule page is displayed.
Normal Flow of Events:	1. User presses "Chat" tab 2. ClassDiscuz displays chat page
Postconditions:	ClassDiscuz displays chat page
Frequency of Use:	High
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 12 Use Case Details - SEND-MSG: Send Message

Use Case ID: SEND-MSG	Use Case Name: Send Message
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Send message to other users registered the same course
Preconditions:	User is already logged into ClassDiscuz and chat page is displayed.
Normal Flow of Events:	1. User touches "chat" field textbox 2. User enters text or send multimedia (Use Case SEND-VOC, Use Case SEND-PIC) 3. User presses "send" button, ClassDiscuz send the text 4. ClassDiscuz displays messages sent by other users with their name and avatar 5. Repeat steps 1-4
Postconditions:	1. Messages sent by the user will be sent to other users that registered the same course 2. Messages will be stored in database with user and time as chat history 3. ClassDiscuz stays at chat page, user is able to send the next message
Frequency of Use:	High
Alternative Flows:	N/A
Exceptions:	1. In step 3, if user tries to send a empty message. ClassDiscuz displays error message. 2. In step 3, if user tries to send a message that is longer than 255 characters, ClassDiscuz displays error message.
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	SEND- VOC: Send Voice; SEND- PIC: Send Picture
Associated Requirements:	N/A

Table 13 Use Case Details - SEND- VOC: Send Voice

Use Case ID: SEND-VOC	Use Case Name: Send Voice
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Send voice when chatting
Preconditions:	User is already logged into ClassDiscuz and chat page is displayed.
Normal Flow of Events:	1. User presses "send voice" button 2. ClassDiscuz displays send voice dialog 3. User pressing microphone icon 4. User speaking, ClassDiscuz recording voice through System API 5. User loosens microphone icon, ClassDiscuz send the voice 6. ClassDiscuz displays messages sent by other users with their name and avatar 7. repeat steps 3-6
Postconditions:	1. Voice sent by the user will be sent to other users that registered the same course 2. Voice will be stored in database with user and time as chat history 3. ClassDiscuz stays at chat page with voice dialog, user is able to send the next voice message
Frequency of Use:	High
Alternative Flows:	1. In step 3, user presses "send text" button, ClassDiscuz return to chat page with chat textbox 2. In step 5, user loosens microphone icon with finger slides up, the voice will not be sent by ClassDiscuz
Exceptions:	1. In step 5, if user send a voice that is less than 1 second, ClassDiscuz will prompt that the voice is too short and will not send the voice 2. In step 4, if user is recording a voice longer than 2 minutes, ClassDiscuz will stop recording automatically and send the voice
Assumptions:	There is a microphone on user's device
Issues:	TBD
Source:	N/A

Includes:	N/A
Associated Requirements:	N/A

Table 14 Use Case Details - SEND- PIC: Send Picture

Use Case ID: SEND-PIC	Use Case Name: Send Picture
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Send picture when chatting
Preconditions:	User is already logged into ClassDiscuz and chat page is displayed.
Normal Flow of Events:	1. User presses "send picture" button 2. ClassDiscuz displays send picture dialog 3. a. User selects "take a photo", ClassDiscuz invoke camera application of system b. User selects "select from existing photos", classDiscuz invoke photos application of system 4. User takes a new photo or selects a photo in system application 5. ClassDiscuz send the photo 6. ClassDiscuz hides send picture dialog
Postconditions:	1. Picture sent by the user will be sent to other users that registered the same course 2. Picture will be stored in database with user and time as chat history 3. ClassDiscuz stays at chat page, user is able to send the next message
Frequency of Use:	High
Alternative Flows:	1. In step 3, if user presses "cancel", then ClassDiscuz will go to step 6 2. In step 4, if user press "cancel" in system application, then classDiscuz will return to step 2
Exceptions:	N/A
Assumptions:	There is a camera on user's device
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 15 Use Case Details - SWI-COUR: Switch Course

Use Case ID: SWI-COUR	Use Case Name: Switch Course
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Switch course chat page to another registered course
Preconditions:	User is already logged into ClassDiscuz and chat page is displayed.
Normal Flow of Events:	1. User selects a course in the course lists laid on the left side of chat page 2. ClassDiscuz displays the chat page of the selected course
Postconditions:	Current course chat page switches to the selected course chat page
Frequency of Use:	High
Alternative Flows:	If the course that user selected is the current active course, then chat page stays at the current course chat page.
Exceptions:	If there is no course that is registered by the user, then chat page displays a blank page
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 16 Use Case Details - VIEW-PRO: View Others Profile

Use Case ID: VIEW-PRO	Use Case Name: View Others Profile
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	View other users' profile
Preconditions:	User is already logged into ClassDiscuz and chat page is displayed.
Normal Flow of Events:	1. User presses an avatar of a member in the member list laid on the right side of chat page 2. ClassDiscuz displays the profile of the selected user, including name, avatar, university, major, focus level and registered course 3. User presses "back" button 4. ClassDiscuz return to chat page
Postconditions:	ClassDiscuz returns at chat page, user is able to send message
Frequency of Use:	Medium
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	N/A
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A

Table 17 Use Case Details - LOG-OUT: Log out

Use Case ID: LOG-OUT	Use Case Name: Log out
Primary Actor(s):	User
Secondary Actor(s):	N/A
Description:	Log out the application
Preconditions:	User is signed in and user is in profile page
Normal Flow of Events:	Click the log out button
Postconditions:	Redirect to home page
Frequency of Use:	Low
Alternative Flows:	N/A
Exceptions:	N/A
Assumptions:	User is signed in
Issues:	TBD
Source:	N/A
Includes:	N/A
Associated Requirements:	N/A