

User Interaction Design

Team2 – ChalkBox

1. Personas

a. Typical persona:

Emma



Emma is a 21-year-old student in University of Maryland, majoring in Economics and minoring in French. She is hard-working and has a passion for learning. As vice president of student association, Emma is busy with student affairs and campus activities. Emma is always worried about time clash between classes and her campus work.

Emma's goals are to:

- **Manage her study activities well.** As she may not attend the classes because of some events, Emma needs to access the course materials including the slides, videos and assignment. In this way she can make up for her lessons.
- **Manage her time.** Emma is taking 7 courses per semester from economics and French in total. She has many homework every week and needs to get notifications of deadlines from the system. She also wants to add other to-do lists for planning her campus life.
- **Contact with instructors and classmates.** It is important for Emma to contact with professors for asking questions and other issues. She also needs to contact with classmates by message or have discussion. She wants to ask questions on forum so that everyone can see her comments.

b. Special persona:

Belier



Belier is a 24-year-old graduate student at University of Maryland. Her major is Software Engineering. She is a hard-working student and listens carefully in class. However, she often misses key points in class because she has hearing impairment problem. When the professor speed up the speech or her classmates discuss about the materials, it will become difficult for her to concentrate on the content.

Belier's goals are to:

- **Review the previous lecture video with subtitle.** Since she has hearing impairment problem, Belier wants to be able to watch records with subtitle to concentrate on the missed contents in class. With the help of lecture video, she could make sure to catch up with the professor.
- **Access the materials uploaded by professor.** As a hard-working student, Belier wants to access all the materials about the course and reviews them after class. This could help her to think about her questions in class.
- **Reminder of the tasks.** Due to her hearing impairment, Belier has higher probability to miss deadlines and some notice. In this case, she wants the system to assist her to ensure not missing any deadline in class.

c. Attacker persona:

Rob



Rob is a 23-year-old guy. He has no proper education as he discontinued from his Undergraduate studies. Rob is interested in trying to access personal data of random students. He gains sadistic pleasure by doing so. In some of the college sites, if the authentication level is not good, Rob can easily access the personal data of some random students. Rob mostly uses brute force method to login into the LMS site.

Rob's goals are:

- **Trying to access the personal details of other students.** Rob uses brute force method to login into student's account and steals their data.
- **Changing the scores of students.** If Rob is able to enter into the account of any student, he changes the grades given by the professor.
- **Deleting the assignments uploaded by students.** He would randomly delete the assignments uploaded by other students.
- **Stealing course related documents.** Rob can access the course related stuff without paying the tuition fee for it.

2. User interface flow diagram

