

## Homework 3

### Pair Division:

Wujie Duan & Xinyi Wang: UC1 Flow of Events for the *Chat* Use Case

Zhuoer Wang & Wenxin Feng: UC2 Flow of Events for the *Comment* Use Case

### UC1 Flow of Events for the *Chat* Use Case

#### 1.1 Preconditions:

The patient has to have an upcoming or history appointment with the doctor before sending messages to the doctor.

#### 1.2 Main Flow:

After the patient has logged in, there will be a dropdown where he/she can click to enter the Message page. In the Message page, all the doctors of the patient's upcoming and history appointments will be displayed, where the patient can click and enter a chat room with the selected doctor. The doctor can likewise find all his/her patients of the upcoming or history appointments in the Message page entered by a dropdown. After the patient send new messages to the doctor, the doctor can see the number of new messages displayed as a red dot with a number just beside the patient's name so that the doctor knows he/she should enter the chat room and engage in the conversation.

#### 1.3 Subflows:

[S1] When the patient clicks to enter the chat room, the main content of the webpage will become a dialogue format, while the header and the sidebars will remain. In the dialogue, the two attendees will type the message and click Send to submit. On the right side of the dialogue, the user will see the messages sent by him/herself. While the left side will be the reply from the doctor.

#### 1.4 Alternative Flows:

[E1] The doctor cannot initiate a conversation with the patient.

[E2] The doctor or the patient cannot chat with those who do not appear on their Message list.

### UC2 Flow of Events for the *Comment* Use Case

#### 2.1 Preconditions:

There must be an existing post or comment for the user to comment on.

#### 2.2 Main Flow:

After the user enters the website, there will be a forum button where he/she can click to see the list of titles together with the abstracts of posts. By clicking on the title of a post, the user can see the full content and the comments under that post. On the same page, there are two types of Comment buttons, one button for directly commenting on that post and buttons for commenting on existing comments under that post. User can start making comments by clicking on any of these buttons.

### **2.3 Subflows:**

[S1] If the user clicks on the button for making comments on the post, there will be a comment area where the user can enter his/her comment. After submitted, his/her new comment will be stored and list as a comment under that post.

[S2] If the user clicks on the button for making comments on some existing comments, there will be a comment area where the user can enter his/her comment. After submitted, his/her new comment will be stored and list as a comment following the existing comment.

### **2.4 Alternative Flows:**

[E1] If the user clicks on the Cancel button, the comment area closes and the user can no longer make comments.

[E2] If the user does not log in, when he/she clicks on Comment button, the website will jump to the login page.



