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CS 680

Project: Inception Phase (One)

I. **User stories:**
Title: Chat window preferences
Description: Users will be able to customize their chat window by changing the color of it.

Title: Two way communication
Description: Users can enter a message and send it to another user using the program.

Title: Smileys
Description: Users will be able to insert a smiley into the chat conversation.

Title: Font customization
Description: Users will be able to change the font color and size.

Title: Chat window options
Description: Users will be able to close, maximize, or minimize the window just like any other window.

II. **Project estimate:**
Estimate for the user story: Title: Chat window preferences
I would estimate 5 days to develop this feature because it will not involve complex code and is a small feature for this program.

Estimate for the user story: Title: Two way communication
I would estimate 15 days for this feature since it's the main part of the program and I believe the hardest part. Once this works well the rest of the program should be simple so more time needs to be spent on this part.

Estimate for the user story: Title: Smileys
I would estimate 10 days for this because it's more than likely that the code already exists and you would just have to integrate it to work with your program.

Estimate for the user story: Title: Font customization
I would estimate 10 days for this feature because it's more than likely that the code already exists and you would just have to integrate it to work with your program.

Estimate for the user story: Title: Chat window options
I would estimate 5 days for this feature because it should not be too hard to make these options.

This would come out to a total estimate of 45 days to develop this chat program.

III. **Iteration plan:**
First iteration would include developing the feature to have two way communicate chat capability. This is the core feature of the program so I think it should be first so that everything else will fall into place after this is working. I would estimate a time-boxed iteration for 15 days to complete this goal.
Second iteration would include developing chat window options to be able to exit the window, minimize it or maximize it. I would estimate a time-boxed iteration for 5 days to complete this goal.
Third iteration would include developing font options for the user. I would estimate a time-boxed iteration for 10 days to complete this goal.
Fourth iteration would include developing the feature for the chat window to be able to change colors. I would estimate a time-boxed iteration for 10 days to complete this goal.
Fifth iteration would include developing the feature to insert smileys into the chat window. This feature is not important so that's why its last just in case the goals above take longer to complete. I would estimate a time-boxed iteration for 10 days to complete this goal.

This would come out to a total estimate of 45 days to develop this chat program.

IV. **Big Stories:** For this example there are no big stories that need to be split up because they don't exceed the limit for days.

V. **Assumptions:**
Title: Chat window preferences
The assumption for this user story would be that users would be able to click on a drop down menu titled options and pick a color of the window that they like. They will be four colors to choose from: white, pink, blue and green. After they choose the color it changes the window.

Title: Two way communication
The assumption for this user story would be that users would be able to chat back and forth with each other and have a conversation via this window. It will look and work just as any other messaging application.

Title: Smileys
The assumption for this user story would be that users would be able to pick from a drop down menu to insert smileys into the program.

Title: Font customization

The assumption for this user story would be that users would be able to pick from a drop down menu the color that they would like their font to be. They will be four colors to choose from: black, pink, blue and green. After they choose the color it changes the font color.

Title: Chat window options

The assumption for this user story would be that users would be able to exit out of the chat window, maximize or minimize it. It would work just as any other window does.