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Final Project Objective 4. - Use Cases List and Building One Out for One Piece of Functionality

Analysis of Software Systems

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**Piece of Functionality from Requirements Document to Build Use Cases Around:**

**The Todo List Feature within Holographic Interface**

**\*Within these use case descriptions, holographic interface will be referred to as “HI”\***

1. User creates account at login and stops there
2. User creates account at login **=>** opens HI and exits HI to stop there
3. User creates account at login **=>** opens HI => opens to-do list and exits HI to stop there
4. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task => exits HI
5. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task => changes name of the task => exits HI
6. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** marks it complete through the HI => exits HI
7. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** deletes the task through the HI => exits HI
8. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** assigns time for the task => exits HI
9. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** assigns time for the task => assigns new time for the task => exits HI
10. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** assigns date for the task => exits HI
11. User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** assigns date for the task => assigns new date for the task => exits HI
12. If the user simply logs into a pre-existing account with a todo-list already made, the user can interact with premade tasks in all of the ways mentioned above in every single other use case, without the added step of “creates a new task.” this would double the current amount of use cases or add another 11.
13. Every single use case can have its first step swapped with “User logs into pre-existing account” and still have the step of “creates a new task” included. This would multiply the amount of use cases by 1.5, or add another 11 different use cases.
14. At any point during any use case after a user is logged in and is able to manipulate tasks (either by manipulating premade ones or after creating a new one), any of the six different task manipulation methods can be used (add task, edit task, delete task, complete task, add/change task time, add/change task date) in any order whatsoever, as many times as a user sees fit. Since these tasks can be repeated due to being able to add, delete, and edit data for tasks, this effectively makes an infinite amount of use cases possible for this specific feature.

**One Specific Built-Out Use Case In Its Entirety - Use Case Number 6:**

User creates account at login **=>** opens HI => opens todo-list **=>** creates new task **=>** marks it complete through the HI => exits HI

\*Note\* This document will also be turned in separately for this project.

