| **Team Number** | 08 | **Section** | 03 |
| --- | --- | --- | --- |
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| **Software Name** | Better Student | | |

## Problem Statement

* Students nowadays have been struggling with school all around the world due to this pandemic going on, and students have trouble focusing and doing their best work because of online schooling.
* Students aren’t achieving as high of grades as normal due to the pandemic.
* On top of having trouble staying focused, students are also not taking proper care of themselves with eating, sleeping, and hours studying.
* Current software is related to students' GPA success and health are either not worth the user’s money or they are hard to use and don’t give beneficial advice.
* Advice on how to achieve higher grades and how to take proper care of oneself can be achieved through software to help students along the way.

## Functional Requirements

This product has these features:

1. Register, login and put personal information(eating, sleeping, studying and GPA) to set up user datas.
2. Collect user datas and calculate them.
3. Distribute user datas depending on the users’ personal information.

## References

https://docs.oracle.com/javafx/2/overview/jfxpub-overview.htm

## Use Cases

1.

| **Use Case Name** | | Login to system | |
| --- | --- | --- | --- |
| Goal | | | |
| This use case describes how a user logins into the system. | | | |
| Participating Actors | | | |
| User, System | | | |
| Glossary | | | |
| User logins to use this program. | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User runs the program. | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User runs the program. | | Shows the login page. |
| 2 | Enters the user information, and then click on the login button. | | Verifies the user information. |
| 3 |  | | Shows the home page. |
| 4 |  | |  |
| 5 |  | |  |
| Alternate Flow of Events | | | |
| **Alternate Trigger** | | | |
| User clicks on "Cancel" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks on the cancel button. | | Return to the previous page. |
| 2 |  | |  |
| *3* |  | |  |

2.

| **Use Case Name** | | Sign up(register) to system | |
| --- | --- | --- | --- |
| Goal | | | |
| This use case describes how a user registers into the system. | | | |
| Participating Actors | | | |
| User, System | | | |
| Glossary | | | |
| User registers the software to use. | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User clicks the “Sign Up” button. | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks the sign up button. | | Shows the sign up page. |
| 2 | User puts informations( userID, password, eating habits, sleeping and studying hours, and GPA). | | Verifies typed information is valid and exists already on databases or not. |
| 3 |  | | Shows the home page. |
| 4 |  | |  |
| 5 |  | |  |
| Alternate Flow of Events | | | |
| **Alternate Trigger** | | | |
| User clicks on "Cancel" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks on the cancel button. | | Return to the previous page. |
| 2 |  | |  |
| *3* |  | |  |

3.

| **Use Case Name** | | Delete from system | |
| --- | --- | --- | --- |
| Goal | | | |
| This use case describes how a user deletes from the system. | | | |
| Participating Actors | | | |
| User, System | | | |
| Glossary | | | |
| User deletes his / her information from the software. | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User clicks the delete button. | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks the delete button. | | Asks typing a password to identify. |
| 2 | User types a password. | | Checks whether the password is correct or not.  If yes, double check the user wants to delete the account.  If not, ask for the correct password.  . |
| 3 | User clicks the “Yes” button. | | Delete the user account. |
| 4 | User clicks the “NO” button. | | Return to the profile page. |
| 5 |  | | Shows the home page. |
| Alternate Flow of Events | | | |
| **Alternate Trigger** | | | |
| User clicks on "Cancel" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks on the cancel button. | | Return to the previous page. |
| 2 |  | |  |
| *3* |  | |  |

4.

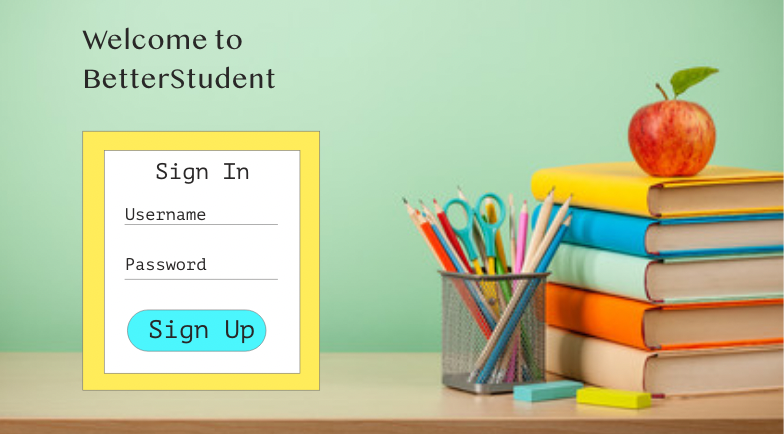
| **Use Case Name** | | Edit user information. | |
| --- | --- | --- | --- |
| Goal | | | |
| This use case describes how a user edits his / her information on the system. | | | |
| Participating Actors | | | |
| User, System | | | |
| Glossary | | | |
| User edits his / her information on the system. | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User clicks the edit button. | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks the edit button. | | Asks typing a password to identify. |
| 2 | User types a password. | | Checks whether the password is correct or not.  If yes, shows the edit page.  If not, ask for the correct password. |
| 3 | User can edit information(password, eating habits, sleeping and studying hours and GPA). | | Ask to save the typed information. |
| 4 | User clicks the “YES” button. | | Save the information on the database. |
| 5 | User clicks the “NO” button. | | Return to the edit page. |
|  |  | | Shows the home page. |
| Alternate Flow of Events | | | |
| **Alternate Trigger** | | | |
| e.g., user clicks on "Cancel" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks on the cancel button. | | Return to the previous page. |
| 2 |  | |  |
| *3* |  | |  |

5.

| **Use Case Name** | | Distribute user data/Input/Save | |
| --- | --- | --- | --- |
| Goal | | | |
| This use case describes how a user datas is distributed based on the users’ personal information. | | | |
| Participating Actors | | | |
| User, System | | | |
| Glossary | | | |
|  | | | |
| Primary Flow of Events | | | |
| Trigger | | | |
| User runs the application  User clicks on "Submit" button | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User runs the application. | | System loads homepage. |
| 2 | User clicks a box to input user’s personal information. | | System saves the data into a system. |
| 3 |  | |  |
| 4 |  | |  |
| 5 |  | |  |
| Alternate Flow of Events | | | |
| **Alternate Trigger** | | | |
|  | | | |
| **Steps** | **Action** | | **System Response** |
| 1 | User clicks on cancel button | | Returns to previous page |
| 2 |  | |  |
| *3* |  | |  |

## Mockup

User Login View



User chooses between buttons



## Glossary

| Login to software | User logins to use this program. |
| --- | --- |
| Register on the software | User registers on the software to use. |
| Delete from the software | User deletes his / her information from the software. |
| Edit information on the software | User edits his / her information on the system. |
| GUI | Graphic user interface, the stuff seen on screen(borders,buttons,menus,etc) |
| Data Structures | Way to store information |
| Java FX | JavaFX is a software development platform from Oracle that is designed to facilitate desktop and rich internet applications (RIA) that can be accessed from a variety of devices. |