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Use Cases

1. **The system will allow entry of a prototype checksheet. A prototype checksheet for a program is one that has no data in it and will be used by a student to track their progress through the program.**

The system as it stands will allow entry of a prototype checksheet by manually creating the checksheet through basic HTML. In its basic form it will be template with no data in it. This current way of creating a prototype checksheet is simple in the way of HTML but improper when it comes creating multiple prototypes. One would need a basic understanding of HTML to create new prototypes.

2. **The system will allow modification of a prototype checksheet by an administrator.**

The system allows for modification of a prototype checksheet however to it too direct to be useful. One would need to access the prototype checksheet file in order to make any changes to it. This would be a painful process as all changes would require some knowledge of HTML. If modifications are made, they would be instant. This is dangerous because any modifications have the possibility to be catastrophic if the administrator does not know what they are doing or purposely makes a harmful change.

3. **The system will allow deletion of a prototype checksheet by an administrator.**

The system allows for deletion of a prototype checksheet but currently it is improperly done. To delete a prototype checksheet an administrator would have to delete the file directly. To do so would require some degree of knowledge of the system directory, online repository or UNIX commands. The later of three is dangerous if not done correct. Mistakes there could delete whole folders and/or sections of the system permanently.

4. **The system will be able to display/print a checksheet in the standard format (of a checksheet).**

The system can both display and print a checksheet in standard form. There is two ways the system displays a checksheet to the user. One display is for editing and one is for printing. Both have the familiarity of a checksheet. The display for the printable version copies the standard format as close as possible while the editable display takes some liberties to make the user interface smoother and easier for the user. The checksheet is completely and entirely able to be printed in the standard format. One small issue with printing is that page breaks are inserted for the best fit on most paper sizes/browsers. Printing is also not supported in Internet Explorer.

5. **The system will allow a student to modify their checksheet.**

The system allows a student to modify their checksheet completely. A student can modify their checksheet by either going to the page which allows one to create a new empty checksheet or open a saved checksheet from the view saved checksheets page. A student can drag and drop a course of their choosing once they select a section on the checksheet that they wish to put a class. If there is already a course in the selected section they can drag and drop it onto the trash can to remove it or drag and drop a different course over it to replace it. A section in the checksheet can hold any course as there is no check to whether a course can go there or not. However the system does suggest courses that can be placed there. Students are also allowed to modify their grade in any section.

6. **The system will allow a student to delete a checksheet.**

The system allows a student to delete a checksheet that they have previously saved. After the student creates a checksheet by adding all the courses they want, they may save it. From there the save will appear on the view saved checksheets page. A button next to the checksheet they saved will allow the student to delete the checksheet from their profile. Once the button is pressed the checksheet will be permanently deleted from the student's checksheets section of the database.

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7. **The system will allow an advisor to view a checksheet.**

The system allows an advisor to view advisees' checksheets. An advisor may view a checksheet by selecting one of their advisees. By clicking on their name the advisor will be taken to a profile page with the advisee's information. From there the advisor may press a button to view the advisee's official checksheet. The advisor is not allowed to view the advisee's other saved checksheets nor can the advisor view other students' checksheets that are not in their list of advisee's. Advisors are not allowed to modify any checksheets they view.

8. **The system will provide the necessary functionality for authenticating an authorized user of the system.**

The system provides the necessary functionality for authenticating an authorized user of the system. Every time a user tries to log in to the system, HTML5 is used on the client-side to ensure that all fields are set and an email is entered in standard form. If the user fills out both the email and password fields and enters an email in standard form the system will hand over the email and password to the sever-side for checking. The server-side will check for authenticity by searching the user database for a match in email and password. If the search does not return a match, the system will inform the user that the email/password is wrong. If the search returns a match the system will take the user to their appropriate homepage.