

Tasks

User Story: U#
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User Story	Task	Task Points	Dependencies	Description	Trello URL	Completed
U00	T0:1	3		<u>Add "Graphical interface" representation for existing command line interface</u> Replacing all existing functionality on command line interface into GUI representation	https://trello.com/c/2kmbyBmi	
U00	T0:2	6		<u>Continue working on GUI for MainMenu</u> Add GUI for adding Assignments Add GUI for adding Questions to Assignments	https://trello.com/c/47rpFc38	
U00	T0:3	6		<u>Continue working on GUI for MainMenu</u> Add GUI for viewing Assignments Add GUI for viewing Questions	https://trello.com/c/IE5XRZDX	
U00	T0:4	1		<u>Improve get classes for DB speed</u> Currently, when classes are loaded from the DB, they automatically also load the list of students This takes a long time so loading classes from the DB should not also load the student list	https://trello.com/c/OPIQUT26	
U00	T0:5	2		<u>Set up permissions</u> Professors have full access to everything Students can only have read access to courses they belong to	https://trello.com/c/vociNL8t	
U00	T0:6	2		Change saving answers DML to include update action; connect assignment UI with main UI	https://trello.com/c/NMshowqo	
U01	T1:1	1		<u>Create classes for a class and student</u> Define the object architecture for "Class" and "Student" A Class contains the course code, class name and a list of students A Student contains the UTOR ID, last name, and first name	https://trello.com/c/n3Y6Vrbr	Yes
U01	T1:2	1	T1:1	<u>Add functionality for adding students to a class</u> Add API to add Student objects to a Class object An action class with be used, the action class with connect the UI and the DAO together	https://trello.com/c/QaeGGTy6	Yes
U01	T1:3	1	T1:1	<u>Add functionality for creating a class</u> Add API to create a Class object An action class with be used, the action class with connect the UI and the DAO together	https://trello.com/c/cUYfy2ig	Yes
U01	T1:4	3	T1:5	<u>DAO classes for Class and Student</u> Connect the program to the database Setup tables for Class and Student objects Create DAO classes to insert, modify and select the above object in the database	https://trello.com/c/7bTjEM5e	Yes
U01	T1:5	2		<u>Setup SQL DB</u> Setup online PostgreSQL Database	https://trello.com/c/9wQXITAX	Yes
U01	T1:6	1	T1:1-5	<u>Interactive command line interface to execute desire functions</u> Create a command line interface so that the completed functions can be showcased to the client	https://trello.com/c/18W62wVm	Yes
U02	T2:1	1	T1:3	<u>Add functionality for seeing a list of classes</u> In the ClassAction, add a function to load all the classes	https://trello.com/c/GgKBjxbI	Yes
U02	T2:2	1	T2:1	<u>Modify main to use Action class to display all classes</u> The main should not call the DAOs directly, change it so the action class is used instead to get the classes	https://trello.com/c/wagzRTjx	Yes

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U03	T3:1	1		<u>Create a class to represent an assignment</u> Define the object architecture for "Assignment" Define a temporary question object for use in Assignment An assignment has a name and a list of questions	https://trello.com/c/oyOuQE2W	Yes
U03	T3:2	2	T3:1	<u>DAO class for Assignment</u> Setup tables for Assignment objects Include a mapping table for Assignment to Question Create DAO classes to insert, modify and select assignments in the database	https://trello.com/c/WL4DJk4a	Yes
U03	T3:3	1	T3:2	<u>Add functionality that allows professors to create assignments</u> Following the same style as students and classes, add AddAssignment in the ClassAction	https://trello.com/c/8PICJTPf	Yes
U03	T3:4	1	T3:3	<u>Add "Create assignment" feature in Console Application</u> Modify the main so that the user can create an assignment for a given class	https://trello.com/c/PEWkrJ50	Yes
U04	T4:1	1	T3:2	<u>Add functionality to display list of assignments</u> In the action class of class, display assignments of that class	https://trello.com/c/SnHcM9rN	Yes
U04	T4:2	1	T4:1	<u>Add "show assignments in class" feature in Console Application</u> Modify the main so that the user can see assignments in a given class	https://trello.com/c/JVIU0DWh	Yes
U05	T5:1	2		<u>Add "Graphical Interface" for viewing all questions in an assignment</u> Add graphical interface for viewing all questions in an assignment.	https://trello.com/c/fzEC3G1f	
U06	T6:1	1		<u>Modify the Users Table with the required columns</u> Add columns for Password (hashed) and registered	https://trello.com/c/V1MaKeSD	Yes
U06	T6:2	1		<u>Add a User Object</u> The user object will have their UTORId and their role	https://trello.com/c/7hm6XsPK	Yes
U06	T6:3	2	T6:1,2	<u>DAO for adding a password and getting (Hashed)</u> Ability to modify user row with jBCrypt hashed password	https://trello.com/c/SubBtVFM	Yes
U06	T6:4	2	T6:3	<u>Add ability to register</u> Users can only register if their UTORId exists in the system and is not marked as already registered They will enter their chosen password with at least 6 characters	https://trello.com/c/QSzfN4tJ	Yes
U06	T6:5	1	T6:3	<u>Add ability to login</u> Users enter their UTORId and their password is verified using jBCrypt	https://trello.com/c/eS9HCy0x	Yes
U06	T6.6	3		<u>Add "GUI" for register</u> Utorid and password fields, and a button to register	https://trello.com/c/dhkuv8z0	
U06	T6.7	3		<u>Add "GUI" for login</u> one field utorid, another field password and a button to login, and show generic error if fails. (something goes wrong error)	https://trello.com/c/Ehsj7qgZ	
U07	T7:1	3		<u>Add "visibility" field on existing assignment table</u> Change data definition script with added field	https://trello.com/c/xWSxelZ1	Yes
U07	T7:2	0.5	T7:1	<u>DAO for setting visibility field on the exsiting assignment table</u> add an sql for changing visiblity	https://trello.com/c/zLLyJUIG	Yes
U07	T7:3	0.5	T7:2	<u>Action class for setting visibility</u> add an action for setting visibility	https://trello.com/c/WW5IZAWQ	Yes

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U07	T7:4	2	T7:3	<u>Add UI for setting visibility</u> a field in the UI that can be either turn on or false(on=visible to all classes, false otherwise)	https://trello.com/c/clBDMdjp	Yes
U08	T8:1	2		<u>Add table to store answers provided by student</u> add existing table definition to store answers provided by student, and their marks	https://trello.com/c/HOQZYV2p	Yes
U08	T8:2	1		<u>An action for submitting answers</u> add an action class takes answer to specific question and assignment, and return the result	https://trello.com/c/MKltQckY	Yes
U08	T8:3	1	T8:2	<u>Add function to validating answers</u> add an function takes answer to specific question and assignment and validate, and return the result	https://trello.com/c/bEv3XTXH	Yes
U08	T8:4	2	T5:1	<u>UI for Writing answers to question, and submit</u> text field for putting down answer and submit button(that triggers submit)	https://trello.com/c/8MM5nAtM	Yes
U09	T9:1	1		<u>Update Database</u> Each Assignment needs a new column for number of attempts A table will be required to store the number of used attempts done by each student per assignment	https://trello.com/c/tjoQL3RL	Yes
U09	T9:2	1	T9:1	<u>DAO Classes</u> Function for getting the number of attempts of an assignment Function for storing the number of attempts of an assignment Function for getting the number of used attempts by a student for an assignment	https://trello.com/c/khGR1dIV	Yes
U09	T9:3	1	T9:2	<u>Action classes</u> Function to set an assignment's number of attempts Modify submit assignment functionality to depend of number of attempts allowed	https://trello.com/c/7WvHos35	Yes
U09	T9:4	3	T9:3	<u>GUI</u> Add GUI for setting an assignment's number of attempts	https://trello.com/c/usvF6PJo	Yes
U10	T10:1	1		<u>DAO classes</u> Function for setting and getting marks for assignment on a student	https://trello.com/c/0hhsx1Zz	Yes
U10	T10:2	1	T10:1	Action class for setting and getting marks for student	https://trello.com/c/HdOVliKE	Yes
U10	T10:3	2	T10:2	GUI for setting and getting marks for student	https://trello.com/c/IE5XRZDX	Yes
U11	T11:1	2		<u>DAO Classes</u> Function for getting all anaswer for assignemnt function setting and getting marks	https://trello.com/c/GuUAozAL	Yes
U11	T11:2	1		Action class for setting and getting marks	https://trello.com/c/YX4TBWxe	Yes
U11	T11:3	2	T11:2	<u>UI for showing marks and answers</u>	https://trello.com/c/TBfvU3CS	Yes
U12	T12:1	1		<u>Database Update</u> new sql table to store temporarily the answers of questions. new sql function to store and update temporal answers	https://trello.com/c/5NQcO8Yu	Yes

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U12	T12:2	1		<u>Action and DAO classes</u> saving temporal answer into the database fetch the answers from database	https://trello.com/c/SnG63TgL	Yes
U12	T12:3	2		<u>GUI</u> change GUI to be able to save progress and load the existing progress	https://trello.com/c/XmZvQdj9	Yes
U13	T13:1	4		<u>Add Database query</u> Add query to get assignments that students have done	https://trello.com/c/e7hbtGtn	Yes
U13	T13:2	4		<u>Create GUI for Students</u> Create a GUI that lets students see their open assignments and marks	https://trello.com/c/2iKBYtH2	Yes
U14	T14:1	1		<u>Modify DB</u> Assignment table requires an open date and close date Set default to no open or close date where it is assumed visibility is determined by the visibility boolean	https://trello.com/c/fvVXolHO	
U14	T14:2	1	T14:1	<u>Modify DAO and defintion objects</u> Assignment object needs the open and close date DAO needs to be able to select and modify the dates	https://trello.com/c/pYoTppRm	
U14	T14:3	1	T14:2	<u>Add Action</u> API to edit the open and close dates	https://trello.com/c/NHKSE6dG	
U14	T14:4	3	T14:3	<u>Modify visibility functionality</u> Visibility should use open and close dates if they exist Visibility functionality also needs to be modified to be boolean instead of string	https://trello.com/c/HmdVDdCy	
U14	T14:5	3	T14:4	<u>Add GUI</u> GUI to modify open and close dates	https://trello.com/c/3kDP7fGs	
U15	T15:1	1		<u>Modify Database</u> Questions table needs a column to note the type of question Also add column for automark or not	https://trello.com/c/dRz8LloT	
U15	T15:2	1		<u>Modify definitions</u> Question object needs to store the type of question and if it is automarked or not	https://trello.com/c/6fSkSWdd	
U15	T15:3	2		<u>Modify DAOs</u> QuestionDao needs to select the question type and automark boolean When creating a question, question type and automark needs to be specified	https://trello.com/c/qUnTaJLu	
U15	T15:4	3		<u>Modify action classes</u> Marks are only saved for automarked questions Needs to be able to automark text field questions	https://trello.com/c/V1DPMoxl	
U15	T15:5	4		<u>Modify GUIs</u> Creating a question now needs to have more fields for automark and question type Question type should be a drop down When answering a text field question, GUI needs to be different	https://trello.com/c/cVixuPea	
U17	T17:1	5		<u>Learn how to export to PDF with Given assignment</u> Understand how to format and export answers and questions	https://trello.com/c/HcWqAMwO	

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U18	T18:1	2		<u>Modify Assignment Table in DB</u> Two new columns are required timestamp for early submission deadline int for extra points given for extra submission	https://trello.com/c/C02WcKWe	
U18	T18:2	2		<u>Modify Assignment Objects</u> Assignment object needs 2 new variables Date earlySubmissionDeadline int extraPoints Create getters and setters DO NOT MODIFY THE CONSTRUCTORS	https://trello.com/c/1cPMrQ02	
U18	T18:3	4		<u>Modify Assignment DAOs</u> getAssignments and getAllAssignments functions to select the two new columns and store them Add function to modify the assignments given an assignment id, an earlySubmission Date object, and an int for bonus marks	https://trello.com/c/kFQyl3LI	
U18	T18:4	3		<u>Modify Action classes</u> When marks are saved, add the bonus marks if the server time is before the early submission deadline AssignmentAction requires functions to edit the early submission deadline and bonus marks	https://trello.com/c/XLonSPI4	
U18	T18:5	5		<u>Modify EditAction GUI</u> Add additional fields for early submission deadline and bonus marks	https://trello.com/c/JuoErh8d	
U20	T20:1	5		<u>Add Action and DAO call to get marks for each student</u> .	https://trello.com/c/Ittvjejp	
U20	T20:2	5		<u>Create GUI for getting class summary</u>	https://trello.com/c/gKT1iQl0	
U20	T20:3	2		<u>Add DAO action for getting average of assignment within a class</u>	https://trello.com/c/ZaGZA1Nf	