Project Part 2

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Project: EEZON - An Interactive EE Inventory Management

Requirements:

I have worked on the following User Requirements for Project Part 2.

ID	Requirement	Actor	Use Case ID
UR-08	As the Professor, TA and Admin, I can approve role of user as a student for a specific course	Professor, Admin, TA	UC-07
UR-09	As the Professor/Admin, I can add/remove TA/ (Professor & TA) into a specific course	Professor, Admin	UC-08
UR-10	As a professor, Admin, I can add a new kit type for a course	Professor, Admin	UC-09
UR-11	As a professor/admin, I can remove a kit type from the course	Professor, Admin	UC-10
UR-20	As a Professor, Admin, I can override the penalties incurred for students	Admin, Professor	UC-19

Use Case Documents:

Use Case ID:	UC-07	
Use Case Name	Approve Course Enrollment	
Description	Approving Students request to enroll into a course	
Actors	Admin, Professor, TA	
Pre-Conditions:	Student already exists in the system	
Post Conditions:	Student is enrolled into the course	
Frequency of Use:	Accessed by User throughout the day	
Flow of Events:	**Actor Action**	**System Response**
	1 Click on Requests option on User Homepage	Opens a page containing all Requests
	2 Navigate to "R_Student" option and click Approve	System prompts "Do you want to continue?"
	3 Click on "Yes"	Student is enrolled into course and notified
Variations:	1. Decline request - The Student is notified accordingly	
Exceptions:	1. User doesn't choose any course but clicks submit - System pops up an error message	
Developer Notes:		

Use Case ID:	UC-08	
Use Case Name	Add/Remove TA/Professor	
Description	User can add role of an existing user as a TA/Professor for a course	
Actors	Admin, Professor	
Pre-Conditions:	Student/Professor already exists in the system	
Post Conditions:	Student is added as TA into the system Professor course is added	
Frequency of Use:	Accessed throughout the semester	
Flow of Events:	**Actor Action**	**System Response**
	1 Click on ADD TA/ Prof option on User Homepage	Opens a page
	2 Enter email-id and select course from drop down	The entered details are verified
	3 Click on ADD	System prompts "Do you want to continue?"
	4 Click on "Yes"	TA/ Professor is added into the system and notified appropriately
Variations:		
Exceptions:	1. User doesn't choose any course but clicks ADD - System pops up an error message 2. Professor tries to add course to another professor - System pops up an error message	
Developer Notes:	Professor role is only approved by Admin	

Use Case ID:	UC-09	
Use Case Name	Add New Kit Type	
Description	User can add new kit type for a course in the system	
Actors	Admin, Professor	
Pre-Conditions:	The new kit type should not exist in the system for specific course	
Post Conditions:	Course specific new kit type is added into the system	
Frequency of Use:	Accessed every time a new kit type is added into the system	
Flow of Events:	**Actor Action**	**System Response**
	1 Click on Inventory option on User Homepage	Opens Inventory Management page
	2 Click on Add Kit option	Provides options to select kit types from Master Kit Type table user specific courses
	3 Select kit Type and click on ADD	System prompts "Do you want to continue?"
	4 Click on "Yes"	Kit Type and course mapping is added to the system
Variations:	1. User selects other option in the dropdown instead of existing kit type - System prompts user to enter new kit type name - User enters the new kit type, the new kit type is added into Master Kit Type table and also the mapping between course and kit type is stored in the database	
Exceptions:	1. User doesn't select required fields - System pops up an error message	
Developer Notes:		

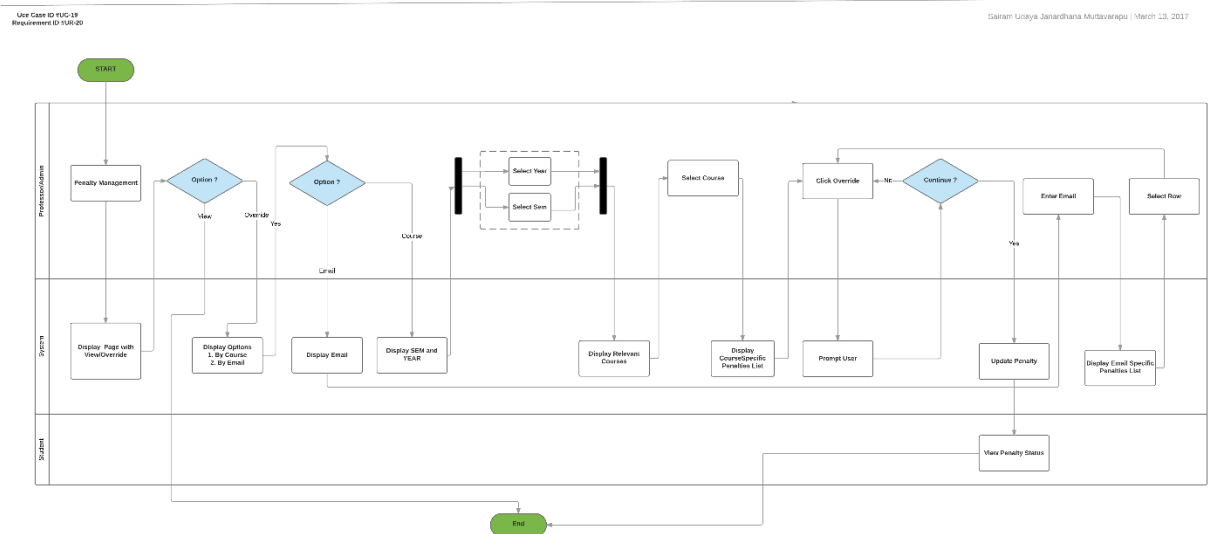| Use Case ID:	UC-10	
Use Case Name	Remove Kit Type	
Description	User can remove existing kit type for a course	
Actors	Admin, Professor	
Pre-Conditions:	Course specific kit type should exist in the system	
Post Conditions:	The existing kit type is removed from the course	
Frequency of Use:	Accessed everytime an existing kit type is removed from the course	
Flow of Events:	**Actor Action**	**System Response**
	1 Click on Inventory option on User Homepage	Opens Inventory Management page
	2 Click on Remove Kit option	Provides options to select user specific courses
	3 Select Course	provides options to select course specific Kit Types
	4 Select existing kit type from the dropdown, click on Remove	System prompts "Do you want to continue?"
	5 Click on "Yes"	The mapping between Kit Type and course is remoevd form the database
Variations:		
Exceptions:		
Developer Notes:	Do not remove Kit type from the master Kit Type table, only the maping between Kit Type and cousre is removed	

Use Case ID:	UC-19	
Use Case Name	Override Penalties	
Description	Users override the penalties	
Actors	Admin, Professor	
Pre-Conditions:	Course should exist in the system Users are added into the course	
Post Conditions:	All the penalties for a course are overridden	
Frequency of Use:	Accessed by user frequently	
Flow of Events:	**Actor Action**	**System Response**
	1 Click on Penalty Management option on user Homepage	Displays Override option
	2 User selects Override By course - Select Sem, Year and Course	Displays list of penalties
	3 Review List and Click on override option	System prompts "Do you want to continue?"
	4 Click on "Yes"	Overrides the selected penalties
Variations:	1. User selects Override By email - User enters email-ID, System display list of penalties - User selects row from list of penalties and click on override option	
Exceptions:	1. User doesn't choose any options but clicks Override - System pops up an error message	
Developer Notes:		

Activity Diagram:

Use Case Name: Override Penalties [Use Case ID # UC-19]

Description: The following activity diagram is for Use Case with ID: 19. As per this use case, a user (Professor/Admin) can override the penalties incurred for kits either by course or by email. If by course option is selected, the user can override penalties for all kits for a course in a sem and year. If by email option is selected, the user can override penalties for the student by giving his email id and selecting the rows in the table.

User Interactions:

Use Case Name: Override Penalties [Use Case ID # UC-19]

Description: The following sequence diagram is for Use Case with ID: 19. It depicts the message passing between classes when by course is option is selected by Professor actor to override the penalties incurred.