

Product Backlog					
EPIC ID	EPIC Name	User Story ID	User Story	Acceptance criteria	Estimate (User Story Points)
EPIC 1	Registration system	US1-1	As a guest, I want to create account, so that I can access to the application.	<ul style="list-style-type: none"> <li>- Given that the guest enters all valid data, When the guest requests to create a student account, Then ensure the account is created.</li> <li>- Given that the guest enters all valid data, When the guest requests to create a tutor account, Then ensure the admin receives the request to be approved later.</li> <li>- Given that the guest enters any invalid data, When the guest requests to create an account, Then ensure the account is not created and inform error message to the guest.</li> </ul>	8
EPIC 2	Manage account	US2-1	As a user, I want to edit my profile, so that I can display my updated information.	<ul style="list-style-type: none"> <li>- Given that the user enters all valid data, When the user requests to update an acoount, Then ensure the account information is updated.</li> <li>- Given that the user enters any invalid data, When the user requests to update an acoount, Then ensure the account information is not update and inform error message to the user.</li> </ul>	5
EPIC 3	Login/Logout system	US3-1	As a user, I want to log in to the application, so that I can start using the application.	<ul style="list-style-type: none"> <li>- Given that the user enters valid username and valid password to log in, When the user requests to log in to the application, Then ensure the user log in to the account.</li> <li>- Given that the user enters invalid username or invalid password to log in, When the user requests to log in to the application, Then ensure the user cannot log in to the account and inform error message to the user.</li> </ul>	2
		US3-2	As a user, I want to log out from the application, So that I can stop using the application.	Given that the user accepts log out confirmation message , When the guests request to log out from the application, Then ensure the user log out from the application.	1

EPIC 4	Searching system	US4-1	As a student, I want to search the course from preferences, so that I can look for the course I want to enroll.	<ul style="list-style-type: none"> <li>- Given that the student enters all valid data in searching box, When the user want to search, Then ensure the student can search the course.</li> <li>- Given that the student uses provided filter for the course, When the user want to filter the course, Then ensure the student can filter the course.</li> <li>- Given that the student uses provided sorting factor, When the user want to sort the course list, Then ensure the student can sort the course list.</li> </ul>	8
EPIC 5	Course system	US5-1	As a tutor, I want to create courses, so that I can start teaching my courses.	<ul style="list-style-type: none"> <li>- Given that the tutor enters all valid data, When the tutor requests to create a course, Then ensure the course is created.</li> <li>- Given that tutor enters any invalid data, When the tutor requests to create a course, Then ensure the course is not created and inform error message to the tutor.</li> </ul>	5
		US5-2	As a tutor, I want to edit my course information, so that I can update the course information that fit my preference.	<ul style="list-style-type: none"> <li>- Given that the tutor enters all valid data, When the tutor requests to edit the course information, Then ensure the course information is updated.</li> <li>- Given that tutor enters any invalid data, When the tutor requests to edit the course information, Then ensure the course information is updated and inform error message to the tutor.</li> </ul>	5
		US5-3	As a tutor, I want to publish my course at any time, so that the students are able to find my course.	<ul style="list-style-type: none"> <li>- Given that the course is successfully created, the course is unpublished, and the tutor's subscription is valid, When the tutor requests to publish a course, Then ensure the course is published.</li> <li>- Given the course is successfully created, the course is unpublished, and the tutor's subscription is invalid, When the tutor requests to publish a course, Then ensure the course is not published, and the error message is displayed.</li> <li>- Given the course is published, When the tutor wants to unpublsh course, Then ensure the course is unpublished.</li> </ul>	5
		US5-4	As a tutor, I want to receive a registration request, so that I can accept/decline a registration request.	Given that the tutor receives a registration request, When the tutor accept a registration register, Then ensure the student is added to the course.	5

EPIC 6	Payment system	US6-1	As a user, I want to manage my payment method, so that I can add or edit credit cards.	- Given that the user given the valid credit card, When the user request to add the card, Then user can add credit card. - Given that the user given the valid credit card, When the user request to edit the card, Then user can edit credit card.	8
		US6-2	As a user, I want to report issues, so that I can indicate the problem to admin.	Given that the user report the payment issue, When the user request to report the issue, Then the user can indicate the problem to admin.	5
		US6-3	As a tutor, I want to inspect my payment history, so that I can view my payment history.	Given that the tutor has any payment history, When the tutor requests to inspect payment history, Then the tutor can view payment history.	3
		US6-4	As a tutor, I want to pay for monthly normal subscription, so that I can access any features of normal subscription.	Given that a tutor's subscription expires or a tutor is a newcomer, When the tutor want to access the normal features, Then notify the tutor to renew or pay for the subscription.	8
		US6-5	As a tutor, I want to pay for monthly premium subscription, so that I can access any features of premium subscription.	Given that the tutor has valid payment method, When the tutor pay for monthly subscription, Then ensure the tutor can access any features of premium subscription.	8
		US6-6	As a student, I want to buy credits, so that I can use my credits to pay for courses that I want to enroll.	Given that the student has enough money, When student buy credits, Then ensure the credits are added to his/her account.	8
EPIC 7	Credit and rating system	US7-1	As a student, I want to review and rate the tutor, so that I can describe how good or bad the tutor is.	Given that student finish the course, When student review the tutor, Then the tutor rating is updated to the new rating.	5
		US7-2	As a student, I want to see the course updated rating and comments, so that I can decide which courses to study.	Given that student search for courses, When students want to see the course information, Then ensure the student can inspect the course's rating and comments.	3
		US7-3	As a tutor, I want to display my course profile, so that I can show my information and teaching experience.	Given that the tutor login into the system, When tutor requests to display course profile, Then the course profile is showed properly.	3

EPIC 8	Administrative system	US8-1	As an admin, I want to receive reports from users, so that I can resolve the problem.	Given that the user has already reported problem, When admin requests to display the report, Then ensure the admin can read the problem description.	3
		US8-2	As an admin, I want to send respond message to users, so that I can inform the users.	Given that admin can give a response message, When the user report the problem, Then ensure the reported problem is informed.	3
		US8-3	As an admin, I want to validate the tutor registration request, so that I can approve the tutor account.	<ul style="list-style-type: none"> <li>- Given that the tutor enters all valid data, When the admin want to approve the account, Then ensure the account is created.</li> <li>- Given that the tutor enters any invalid data, When the admin want to approve the account, Then ensure the account is not created and inform error message to the tutor.</li> </ul>	3
EPIC 9	Notification System	US9-1	As a student, I want to receive notification when the tutor accept or decline my requests, so that I can know whether my enrollment is accepted or declined.	Given that the student has already successfully sent an registration request, When the tutor accepts or declines the request, Then ensure the student recieves a notification.	3
		US9-2	As a tutor, I want to receive notification when students enroll in my course, so that I can accept or decline the request.	Given that the tutor has any published courses, When the students enroll in those courses, Then ensure that the request is sent to the tutor as notification.	3
		US9-3	As a tutor, I want to receives a notification about my subscription expiration, so that I can renew my subscription in time.	Given that a tutor's subscription expires, When the tutor enter the application, Then notify the tutor to renew the subscription.	3
EPIC 10	Report System	US10-1	As a user, I want to report problem to admin team, so that I can have my problem resolved.	Given that user have a problem, When the user report the problem, Then ensure the reported problem is acknowledged by the admin team.	3

EPIC 11	Enrollment System	US11-1	As a student, I want to enroll in a course, so that I can send a registration request to the tutor who teaches this course.	<ul style="list-style-type: none"> <li>- Given that the course is published, the student capacity of the course is not full, When the student requests to enroll in the course, Then ensure the registration request is created, and ensure the student's credit is deducted.</li> <li>- Given that the course is published, the student capacity of the course is already full, When the student requests to enroll in the course, Then ensure the registration request is not created, and ensure the student can't enroll, and ensure the student's credit is not deducted.</li> <li>- Given that the course is published, the course is already started, When the student requests to enroll in the course, Then ensure the registration request is not created, and ensure the student can't enroll, and ensure the student's credit is not deducted.</li> </ul>	8
		US11-2	As a student, I want to cancel an enrollment, so that I can cancel a registration request I've sent to the tutor.	<ul style="list-style-type: none"> <li>- Given that a student has sent a registration request once and the tutor has not accepted / declined it yet, When the student cancels the enrollment request, Then ensure that the request is cancelled, and ensure the student receive credits back within 3 days.</li> <li>- Given that a student has sent a registration request once and the tutor has accepted it, When the student cancels the enrollment request, Then ensure that the student is unable to cancel.</li> <li>- Given that a student has sent a registration request once and the tutor has declined it, When the student cancels the enrollment request, Then ensure that the request is cancelled.</li> </ul>	8

	EPIC ID	EPIC Name	User Story ID	User Story	Task	Volunteer	Status	Original Estimate	Day 1	Day 2
Sprint1	EPIC1	Registration system	US1-1	As a guest, I want to create account, so that I can access to the application.	Setup project	All	Todo	16		
					[BACK] Review ER Diagram	All	Todo	2		
					[DESIGN] Review design system	All	Todo	2		
					[DESIGN] Adjust current design	All	Todo	1		
					[DESIGN] JSON API (Registration)	Shane, James	Todo	1		
					[DESIGN] Registration UI	Dron, Joey	Todo	2		
					[FRONT] Coding Registration Page	Dron, Joey	Todo	8		
					[BACK] Registration API	Shane, James	Todo	8		
					Automate tests	Dron, Shane	Todo	4		
	EPIC3	Login/Logout System	US3-1	As a user, I want to log in to the application, so that I can start using the application.	[DESIGN] Login UI	Fact, Aong	Todo	1		
					[FRONT] Coding Login Page	Fact, Aong	Todo	8		
					[DESIGN] Menubar, Sidebar UI	Fact, Aong	Todo	5		
					[FRONT] Coding Menubar, Sidebar	Fact, Aong	Todo	3		
					[DESIGN] Home UI	Fact, Aong	Todo	1		
					[FRONT] Coding Home Page	Fact, Aong	Todo	8		
					[DESIGN] JSON API (Login/Logout)	Peenut, Folk	Todo	1		
					[BACK] Login API	Peenut, Folk	Todo	12		
					Automate tests	Aong, Peenut	Todo	4		
			US3-2	As a user, I want to log out from the application, So that I can stop using the application.	[FRONT] Logout on Menu	Fact, Aong	Todo	1		
					[BACK] Logout API	Peenut, Folk	Todo	6		
					Automate tests	Fact, Folk	Todo	4		
	EPIC5	Course System	US5-1	As a tutor, I want to create courses, so that I can start teaching my courses.	[DESIGN] Course System UI	Dron, Joey	Todo	2		
					[FRONT] Coding Course Manage Page	Dron, Joey	Todo	8		
					[DESIGN] Create Course UI	Dron, Joey	Todo	1		
					[FRONT] Coding Create Course Page	Dron, Joey	Todo	4		
					[BACK] Course Create API	Shane, James	Todo	8		
					[DESIGN] JSON API (Course)	Joey, Shane	Todo	1		
					Automate tests	Dron, James	Todo	4		
			US5-2	As a tutor, I want to edit my course information, so that I can update the course information that fit my preference.	[DESIGN] Course Information UI	Dron, Joey	Todo	1		
					[FRONT] Coding Course Information Page	Dron, Joey	Todo	5		
					[DESIGN] Course Edit UI	Dron, Joey	Todo	1		
					[FRONT] Coding Course Edit Page	Dron, Joey	Todo	2		
					[BACK] Course Update API	Peenut, Folk	Todo	8		
					Automate tests	Dron, Folk	Todo	4		
			US5-3	As a tutor, I want to publish / unpublished my course at any time, so that the students are able to find my course.	[DESIGN] Course Publish UI	Dron, Joey	Todo	1		
					[FRONT] Coding Course Publish Page	Dron, Joey	Todo	8		
					[BACK] Course Publish API	Peenut, Folk	Todo	8		
					Automate tests	Joey, Peenut	Todo	4		
			US5-4	As a tutor, I want to receive a registration request, so that I can accept/decline a registration request.	[DESIGN] Manage request UI	Fact, Aong	Todo	1		
					[FRONT] Manage request in Course Page	Fact, Aong	Todo	4		
					[BACK] Registration Request API	Shane, James	Todo	4		
					Automate tests	Aong, James	Todo	4		
	EPIC8	Administrative System	US8-3	As an admin, I want to validate the tutor registration request, so that I can approve the tutor account.	[DESIGN] Admin Login UI	Fact, Aong	Todo	1		
					[FRONT] Tutor Validation Page	Fact, Aong	Todo	8		
					[DESIGN] JSON API (Validation)	Shane, James	Todo	1		
					[BACK] Tutor Validation API	Shane, James	Todo	8		
					[DESIGN] Admin Management UI	Fact, Aong	Todo	1		
					[FRONT] Coding Admin Management Page	Fact, Aong	Todo	8		
					[DESIGN] Admin Login UI	Fact, Aong	Todo	1		
					[FRONT] Coding Admin Login Page	Fact, Aong	Todo	4		
					[DESIGN] JSON API (Admin Login)	Peenut, Folk	Todo	1		
					[BACK] Admin Login API	Peenut, Folk	Todo	8		
					Automate tests	Fact, Shane	Todo	4		

		Total						226	0	0
Sprint Goal										
Deliver core features of the application.							Time			
							Aong	66	Shane	38
							Dron	58	James	41
							Fact	66	Peenut	55
							Joey	51	Folk	55