

North East University Bangladesh
Department of Computer Science and Engineering
Spring 2022

Course Code: CSE 300

Course Title: Project Work 2

1) Basic Information:

Group Details	Student ID	Student Name
	190103020001	Syed Md. Afsani
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Project Title	Sylhet Cycling Community.	

2) User Roles:

User Types	Description
Unregistered User	Unregistered users can visit the site and register as a cyclist. Can see different posts and activities. Cannot join any event or post anything. Can donate to the community.
Cyclist	Can post anything, review any event/post. Can request or directly join an event. Able to report about anything to the admin. Can edit his profile. Can donate to the community. Can request to create an event. Can apply at a training session.
Event Manager	Handle events and lead event members. Share event information. Approve event registration request if the event is not a free to join event.
Team Leader	Lead cycling tour event and work as a guide. Help Event Manager at events. Distribute materials to the members.
Treasurer	Receives money, keeps economic records of the community. Report about economic records to Admin, President.
Trainer	Train members to learn cycling and different rules during a cycling tour.
Admin	Approve/disapprove account registration. Review reports about anything, create/edit events, approve an event making request.
President	Can add/remove admin, treasurer and trainer.

3) User Story Planning:

Task Number	User Stories	Responsible	Deadlines
A-1	The homepage is the website's landing page where anyone can see different posts which were posted by the registered users.	Afsani	23/02/22
N-1	Unregistered users can register. Unregistered users can only access the landing page. None can register on this site with the email that was banned by the community. And registered users can login through the login page. Here registered users can be Admin, Cyclist, Event Manager, Trainer, Treasurer or President.	Nasim	16/02/22
S-1	Any user can donate to the community.	Shafe	23/02/22
A-2	Registered users can post/edit/delete blog/images and other registered users can react (like or dislike) his post. A Cyclist can view all the training sessions and apply at a training session so that he/she can learn cycling and learn about event rules.	Afsani	02/03/22, 16/03/22
S-2	Registered users can view/edit their profile information and see his previous posts.(dashboard)	Shafe	2/03/22
A-3	President, Admin, Treasurer will have Manage pages according to their liability.	Afsani	23/03/22
N-2	Trainer approves/disapproves Cyclist's training session request, informs/posts about his training session. President can add/remove admin/treasurer/trainer. President and Admin they both can add/update/delete rules for the community.	Nasim	23/3/22
S-3	Admin can create/edit an event and assign event manager and team leader for the event. Also, Admin can approve/disapprove event creation requests. Event Manager will be able to see event information in which he/she will be assigned to manage. He will also be able to approve or disapprove event join requests.	Shafe	23/03/22
N-3	Cyclists can join/request to join an event along with payment option for paid events. Users can request an event creation which will be approved/disapproved by the admin later.	Nasim	6/4/22

S-4	Event manager and team leader will be able to share event information with the event's registered members. Treasurer will send a confirmation message to the donator. Anyone can send email to service email of the community through the contact page.	Shafe	06/04/22
N-4	Users can report/complain about anything to the admin. Admin approves/disapproves an user's registration and sees registered users of the community from where he/she can remove/ban a cyclist from the list. Admin can review a complaint or report placed by a user.	Nasim	27/4/22
A-4	Cyclists can review this cycling community and they can review any event as well.	Afsani	30/03/22
S-5	A Simple Bi-cycle parts shop where a user can buy different parts for his bike with payment option and can add items to cart for later.	Shafe	11/05/22, 25/05/22
A-5	Treasurer can receive money, keep economic records of the community and report economic records to the Admin and President. People can see the about page that contains some information about this community and they can see some of the best reviews.	Afsani	13/04/22
N-5	There will be discussion forums where users can discuss anything.	Nasim	11/5/22
N-6	Users can view the events calendar which will show all the upcoming events schedules.	Nasim	25/05/22

4) The Product Backlog:

Story Number	User Story	Acceptance Tests
A-1	The homepage is the website's landing page where anyone can see different posts which were posted by the registered users.	
N-1	Unregistered users can register. Unregistered users can only access the landing page. None can register on this site with the email that was banned by the community. And registered users can login through the login page. Here	<ol style="list-style-type: none"> 1. Leave an input field blank(fail). 2. Using banned email or existing email.(fail) 3. Using an already used username(fail). 4. SQL injection (fail).

	registered users can be Admin, Cyclist, Event Manager, Trainer, Treasurer or President.	<p>5. Photograph size is huge (fail).</p> <p>6. Correct username, password during login(pass)</p> <p>7. Incorrect username only, incorrect password only, incorrect both at login (fail)</p>
S-1	Any user can donate to the community.	<p>1. Leave the transaction ID field blank.(fail).</p> <p>2. Leave the Contact Number field blank(fail).</p> <p>3. SQL injection (fail).</p>
A-2	Registered users can post/edit/delete blog/images. A Cyclist can view all the training sessions and apply at a training session so that he/she can learn cycling and learn about event rules.	<p>1. Blank post(fail).</p> <p>2. SQL injection.(fail)</p>
S-2	Registered users can view/edit their profile information and see his previous posts.(dashboard)	<p>1. Changing the email to a banned email.(fail)</p> <p>2. SQL injection(fail).</p> <p>3. Changing the username to an existing username(fail)</p> <p>4. Submitting changes with one or several blank fields(fail).</p>
A-3	President, Admin, Treasurer will have Manage pages according to their liability.	
S-3	Admin can create/edit an event and assign event manager and team leader for the event. Also, Admin can approve/disapprove event creation requests. Event Manager will be able to see event information in which he/she will be assigned to manage. He will also be able to approve or disapprove event join requests.	<p>1.Create Event with null input data.(fail)</p> <p>2.SQL injection(fail)</p>
N-2	Trainer approves/disapproves Cyclist's training session request, informs/posts about his training session. Treasurer will send a confirmation message to the donator.	<p>1. Some tests will be the same as the registered user's post page.</p>
N-3		

	Cyclists can join/request to join an event along with payment option for paid events. Users can request an event creation which will be approved/disapproved by the admin later.	1. Blank transaction-ID for paid event request (fail) 2. Blank bkash number for paid event request (fail) 3. SQL injection (fail). 1. Blank Event Title(fail). 2. Blank Description(fail) 3. SQL injection.(fail)
S-4	Event manager and team leader will be able to share event information with the event's registered members. Treasurer will send a confirmation message to the donator. Anyone can send email to service email of the community through the contact page.	1. SQL injection.(fail) 2. Not properly filled contact page data.
N-4	President can add/remove admin/treasurer/trainer. President and Admin they both can add/update/delete rules for the community. Users can report/complain about anything to the admin. Admin can review a complaint or report placed by a user.	1.Report/complain without a description. (fail)
A-4	Cyclists can review this cycling community and they can review any event as well.	
S-5	A Simple Bi-cycle parts shop where a user can buy different parts for his bike with payment option and can add items to cart for later.	1.Empty transaction field for payment.
A-5	Treasurer can receive money, keep economic records of the community and report economic records to the Admin and President. People can see the about page that contains some information about this community and they can see some of the best reviews.	1. Empty month field(fail)
N-5	There will be discussion forums where users can discuss anything. Shopping cart for shop.	

N-6	Users can view the events calendar which will show all the upcoming events schedules.	
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5) The Sprint Backlog:

Story Number	User Story	Sprint Items
A-1	The homepage is the website's landing page where anyone can see different posts which were posted by the registered users.	Create a homepage. Any user can only visit this homepage and see different posts. Without login anyone can only see the review..
		Create a Posts page where unregistered users can only see all the cyclist posts.
N-1	Unregistered users can register. Unregistered users can only access the landing page. None can register on this site with the email that was banned by the community. And registered users can login through the login page. Here registered users can be Admin, Cyclist, Event Manager, Trainer, Treasurer or President.	Create a registration page where unregistered users can register on this page. Required information are - name, username, password, contact number, email address, gender, address, profile photo.
		Create a login page. Login form should ask only for an username and password. Type of user should be determined based on the username.
S-1	Any user can donate to the community.	Create a donate page. Required information- name, email, bkash number, transaction-id.
A-2	Registered users can post/edit/delete blog/images. A Cyclist can view all the training sessions and apply at a training session so that he/she can learn cycling and learn about event rules.	Create a Posts page where registered users can post and will be able to edit/delete posts.
		Any registered user can react and report to others' posts.
		Create a page where a Cyclist can view all the training sessions.
		Cyclists can apply at a training session and this application will be accepted by Trainer.

S-2	Registered users can view/edit their profile information and see his previous posts.	Create a page where registered users can see their profile and there will be an option to update it.
		A User can see previous posts created by himself.
A-3	President, Admin, Treasurer will have Manage pages according to their liability.	Create a Manage page for the President where he will have the option to add/remove admin/treasurer/trainer and update rules.
		In the Manage page Admin will have the option to approve/disapprove an user's registration, remove cyclist, update rules, update and approve event, review report/complain.
		Create a page for the Treasurer where he will have the option to keep track of money and inform Admin and President about money.
N-3	Cyclists can join/request to join an event along with payment options for paid events. Users can request an event creation which will be approved/disapproved by the admin later.	Cyclists can join any event which is free to join.
		Create a page where Cyclist can request to join at the event after making the payment through Bkash. The form will require- username, bkaash number and transaction-id.
		Create a page where users can create a request for an event that will be accepted by Admin later.
S-3	Admin can create/edit an event and assign event manager and team leader for the event. Also, Admin can approve/disapprove event creation requests. Event Manager will be able to see event information in which he/she will be assigned to manage. He will also be able to approve or disapprove event join requests.	Admin can create and edit an event.
		Admin approved/disapproved event creation request.
		Manager will be able to see event information in which he/she will be assigned to manage.
		Manager will approve/disapprove the event join request.
		Admin can assign event manager and team leader.

S-4	Event manager and team leader will be able to share event information with the event's registered members. Treasurer will send a confirmation message to the donator. Anyone can send email to service email of the community through the contact page.	Event homepage for information sharing.
		Approve/disapprove user request to event registration.
		Create a contact page.
N-2	Trainer approves/disapproves Cyclist's training session request, informs/posts about his training session. President can add/remove admin/treasurer/trainer. President and Admin they both can add/update/delete rules for the community.	Create a page where a trainer can see training requests.
		Trainer will post his training session.
		Trainer can view/edit/delete his training session posts.
		Create a page where the President and Admin can add/update/delete rules for the community.
S-5	A Simple Bi-cycle parts shop where a user can buy different parts for his bike with payment option and can add items to cart for later.	Create a page where the President can add/remove admin/treasurer/trainer for the community.
		Users are able to view and buy products from the shop.
N-4	Users can report/complain about anything to the admin. Admin approves/disapproves an user's registration and sees registered users of the community from where he/she can remove/ban a cyclist from the list. Admin can review a complaint or report placed by a user.	Admin will manage orders, shop and product data.
		Create a page where a user can report/complain anything or anyone to the Admin.
		Create a 'review report/complain' page where the admin can review complaints or report and take action accordingly.
		Admin can view registered members.
		Admin approve/disapprove a user registration to the community.

A-4	Cyclists can review this cycling community and they can review any event as well.	Create a review page for users so that the users review the community and visitors can know about the quality of this community.
		Users can review the events of this community.
A-5	Treasurer can receive money, keep economic records of the community and report economic records to the Admin and President. Anyone can see the about page of this community and see the best reviews.	Create a record page where the Treasurer will keep the records of payment received for events and funds received from donations.
		The Treasurer will report the monthly economic records to the Admin and President.
		People can see the about page that contains some information about this community and they can see some of the best reviews.
N-5	There will be discussion forums where users can discuss anything.	Create a discussion page where Cyclists can ask any question to the community.
		In the discussion page anyone can answer any question.
N-6	Users can view the events calendar which will show all the upcoming events schedules.	Create a page where users can view the events calendar which will show all the upcoming events schedules.