Evidence of Contribution Form

Student Name: Madhur Jain

List all the project deliverables that you have contributed to and where possible provide a working link to the deliverable. Briefly outline your contribution to each deliverable and list the initials of other contributors to team deliverables. Map each deliverable (using a X) to the appropriate module/s.

Hackathon:

Deliverable and Link	Highlight your contribution & list initials of other contributors	Agile Dev	Web Apps	Prog Princ

TeamNo: 4   Client Project: Co-creative Community Knowledge Website

Sprint 1

Deliverable and Link	Highlight your contribution & list initials of other contributors	Agile Dev	Web Apps	Prog Princ
Setup a Spring Boot Maven Project Boiler Plate code Issue -1	Created a spring app with basic dependencies such as Web, Thymeleaf, spring-jpa, mysql-data.		X	X
Created a Base template using thymeleaf fragments Issue -2	This base->index.html will serve as a common base template for the pther web pages who will consume it. Created a place holder for a NavBar & Footer. This will be developed later on but as it gets developed, it will be available for other pages without duplicating the code for it. Lastly, I have put the bootstrap CSS and JS so that all the consumer pages inherit bootstrap from base template.	X	X	
Create a community backend. Issue-6	Using spring-jpa model, repository and service layer approach, I was able to successfully create a backend which interacts with my-sql DB. I was able to test it using POSTMAN. Created a save, getById, getAll methods for the community model.	X		X
Create a User Object backend Issue -8	Using spring-jpa model, repository and service layer approach, I was able to successfully create a backend which interacts with my-sql DB. I was able to test it using POSTMAN. Created a save, getById, getAll methods for the user object model.	X		X
Enhance the backend response messages and response exception handling for user object model created vide issue no 8. Issue-12	Using try catch blocks, Exceptions, ResponseEntity Http status codes, I was able to enhance the backend user object controller. Now the backend can handle the exceptions and can respond with appropriate messages using HttpStatusCodes such as 200 for good request.	X		X
Testing of the user object backend model https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/13	Wrote unit tests using j-unit5 and Mockito libraries to test all the methods defined in the service and repository layers of the user object model.	X		X

Sprint 2

Deliverable and Link	Highlight your contribution & list initials of other contributors	Agile Dev	Web Apps	Prog Princ
Create a common functionality at backend to upload a picture. This service can be utilized by community, project, or a user profile model.	Exposed a POST request end point and created a controller to handle multipart form submission. Wrote validation criteria's which	X		X

Deliverable and Link	Highlight your contribution & list initials of other contributors			

	allowed validation of image type, validation of image size etc. Accordingly, the HTTP Response codes, and response messages were returned from the backend server.			
https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/15				
Enhance the community model created by me in sprint-1 to be able to upload a picture for community using the service developed as Issue#15. https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/20	Now the community model can upload a picture for community and save it in the DB. Later this information will be used by the front end to fetch the correct image for every community.	X		X
Create a front end which allows a logged in user to create a community. https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/21	Using thymeleaf, ModelAndView object, provided by Spring boot I was able to create a HTML equipped with custom CSS and JS files in addition to the ones inherited from base fragment. This page allowed only a LOGGED IN user to create a new community. While creating it also gives an option to upload a picture for the community. All the backend services developed for community and picture upload were interacted by this front-end using JavaScript's Fetch API.		X	
Create a Front end which allows any user to see all the communities existing on our web application. The GUI must be an ease to your eye and must be informative. It should show a glimpse of what the community is about. https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/24	Using Bootstrap Container, Row, Column, Card components, I was able to create a communities list view. This view when loads do a GET request from the backend to get the data of all the communities present. It then takes that data and using ModelAndView object adds this data as an attribute. Using thymeleaf we can access this attribute inside our HTML and can render the dynamic content.	X	X	
Create a Front end which shows a community detail. It should show the number of members, number of projects, upcoming events, etc. It should also give a user an option to join the community, https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/25	Again, using the GET method, I was able to get the information of a particular community based on its id value. This information was passed to the thymeleaf and was used to render a web page. To check the login status of the user, the information was taken from the cookie. If user is a logged in user, he can join the community else redirected to Login page. Before joining the community, user is presented with a terms and conditions along with a consent to save the user information and display it publicly as members of this community. Finally, the page also renders the projects going on in the community and if someone clicks on them, they may navigate to the details page of those projects.	X	X	
It was a Bug detected that an not logged in user was still able to react the add-community page. Created an issue to detect the login state of user and redirect to login if the user tries to add a community https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/33	Using the cookies, I was able to retrieve the user information from the cookie. Then using simple if and else statements, I was able to redirect the user if the login cookie was not found.	X	X	

Sprint 3

Deliverable and Link	Highlight your contribution & list initials of other contributors	Agile Dev	Web Apps	Prog Princ
EPIC: As a user, my confidence in the reliability, robustness and the quality of the application should no shake especially while dealing with community feature of the application https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/39	This is a user story from users point of view which basically focusses on testing of software and its quality assurance to the client	X	X	X

Deliverable and Link	Highlight your contribution & list initials of other contributors	Agile Dev	Web Apps	Prog Princ
Write all possible test cases for ensuring the community API is well tested before going LIVE. This issue is linked to the EPIC #39 https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/40	Using junit and mocikto, I was able to write all possible test cases related to the backend API for community model.	X		X
As a user I should be able to view all the Events related to a community while opening a details page of community. https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/41	Now since we have the Events model available, I was able to integrate Community with events in such a way that the details page of a community also renders the events associated with that community while fetching the information real time from the backend.	X	X	X
As a logged in user, I should see a Button/Link to create a new community, while browsing through the list of communities https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/42	This was a bug detected as fas as user experience is concerned. There was no way for a user to to navigate to create-new-community while accessing the community's page. I provided that link.	X	X	
Improve the CSS design of communities List page. It should be more informative. https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/43	Since I have projects and Events model available, I have enhanced the list view of communities. It now also shows the number of projects/ events associated to a community along with its name, description. This way the community list view is much more informative.	X	X	

Sprint 4

Deliverable and Link	Highlight your contribution & list initials of other contributors	Agile Dev	Web Apps	Prog Princ
https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/53	The form to add community doesn't handle the validations	X	X	
https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/57	As a User I should be able to search the community instead of scrolling the entire list	X	X	X
https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/65	Due to latest integration with Community, Events and Projects API the CSS has got disturbed and needs to be re-written.	X	X	
https://git.cardiff.ac.uk/c21111089/team4-community-knowledge-website/-/issues/66	Handle Exceptions with proper HTTP Codes and response messages for Community API	X	X	X