The Term Project II

SE331 Component-Based Software Development

Instruction

You have already been set as a group of 3 people. You can use the same group as the Project I or you may change the group members if you want. If you cannot find a group of 3 people, please let me know so I can set up a group for you. The full-stack development of the project is required. You have to develop both the backend and the frontend application and deploy to the server.

Brief Requirement

The Social Anti-Fake News System Phase II

The Social Anti-Fake News system is a system that requires the wisdom of the cloud to help detect fake news. The users who heard the news can enter the news into the system, so the other users can see all the news. The other users can look at the news and vote whether this news is fake or not, and put their comments on why they think this is fake or not. The news is considered fake or not fake by the number of votes. So on the list of news page, users can filter all news, fake news, or non-fake news.

So you have to develop this Social Ani-Fake System. The system consists of the home page, which will show the list of news and a filter to select what kind of news to see. The user must be able to select the amount of news they want to see on each page. The details of each news story on this home page must include the news topic, a short detail of the news, the status of the news, whether fake or not, the name of the reporter, and the date and time of the report.

When the user selects the news that they want to see the details, the application should show the new with the full details such as the news topic, a short detail of the news, the status of the news, whether fake or not fake, the name of the reporter, the date of time of the report, and upload the image of the event. From this page, the user can open the list of comments and the results that other people have voted and commented on. In this part, the pagination must be applied. Or the user can click on another page to vote on the news, the user has to vote whether the news is fake or not, and add a comment or an image that you think can convince your choice

The news must be submitted to the server and save data to database.

The user can register their information and initially the reader. The reader only can see the news but can vote but cannot send the news. The register information must include name, surname, email address, password, and profile image.

The administrator can set the selected user to be the member. The members can vote the news and also submit the new news.

The administrator can remove the news or remove some comments which is not proper. When the news is removed, no one except the administrator can see it. If the vote has been removed the score must be recalculated using the score which is still available.

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You have to provide the mock data to be able to show all the pagination of your design.

All user can search by all details of the news (topic name, short details of the news, name of the reporter) or search by the status of the news.

You can design any features that you think are cool features to get the special score.

The application must be implemented using the techniques and tools provided in the class. The Generative AI that copies the project is not acceptable.

The automated CD must be set up, and you have to present your work from the VMs to gain more score, but local development is also accepted.

The submission should be provided in the GitHub repository, with the README.md, which specifies your group name, member details, the Git URL for your backend and frontend, and the URL of the frontend and backend of the deployed website (if you can provide the link).

You need to put your presentation video link (the link of your application presentation with the description of it), the video should be around 5 minutes.

Note that the presentation must be presented by your own voice.

Note: The readme file, which is generated from Generative AI, is not acceptable.

You must enter the classroom and create a group.

You can log in to https://classroom.github.com/a/4HfmT0Ys to access the GitHub classroom workspace.

If you have any problems with the platform, please let me know as soon as possible.

The grading criteria

The grading criteria are provided in the appendix.

Note that AI agentic mode is not recommended. Using the AI to solve your problem is ok. But you should understand the techniques behind your application.

Your score will be divided by the proportion of your distribution in the GitHub repository. So, plan wisely. And do not forget to invite me to your GitHub repository.

Please update your README.md to give me your information, including your team member and student ID, and also the location of your backend and frontend repository, and the deployment URL.

Project Submission

The repository will not be able to write on 30th November at 06.00 am.

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All information, such as your student id, your name, your English name, the video link, the GitHub URL for backend and frontend, the video link, and the location of the Frontend and Backend must be provided in the ReadMe.md

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Grading Criteria

No	Score	0	1	2	3	4
1	The mock data is provided	None/ Not complete	The environment call has been made		The mock data with some data has been provided	The mock data with the enough proper data has been provided (enough to test with the pagination)
2	The layout of web site	None/ Not complete	The layout is similar to the Event application we have done in the lab	Some pages still have the same layout as Event application	The layout is not the same as the Event application	The layout is not as the same as the Event application, and show the proper responsiveness
3	The system can show the list of news properly	None/ Not complete	The news are listed	The news details are shown properly	The pagination has been set	The number of news to be shown in the page has been set
4	The system can filter the list of Fake news and non-Fake news	None/Not complete		The filter has been provided in the UI	The filter works properly	The Loading environment has provided properly
5	The system can show the details news	None/Not complete	The template of the news is provided	The data is shown only the news details	The information of each news provided properly	The sub routing is provided for the further features
6	The system can show the list of comments and votes	None/Not Complete	The UI has been provided	The vote data, and comments from your mock data can be shown	The sub routing is provided	The Pinia is used to share the data in the sub route
7	The system can show the news voting	None/Not Complete	The UI has been provided	The voting can be added to Pinia	The news voting count is changed property	The Vote and Comment List for the news shows both data from the

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						mock data and the new data
8	User can register themselves as the reader	None/Not Complete	The details have been saved	The image profile has been saved	some details are shown in every pages	The details is shown properly in user detail page
9	The UX/UI Design for register user	The checker preference				
10	Administrator can upgrade the member status	None/Not Complete	Administrator can see all users	The status of the user has changed	The reader can vote only	The member can post the new news
11	The UX/UI Design for upgrading the member status	The checker preference				
12	The admin can remove news and the news cannot be shown	None/Not Complete	The selected news techniques has been shown	The UI for deleting the news have been set	The users cannot see the news	Only Administrator can see the removed news
13	The UX/UI Design for removing the news	The checker preference				
14	The admin can remove comments, and the score is changed	None/Not Complete	The UI for removing the comments is provided	The users cannot see the comments	Only Administrator can see the removed comments	The score is recalculated
15	The UX/UI Design for removing the comments	The checker preference				
16	Users can search for the news	None/Not Complete	The search page has been provided	Other form of search has been implemented	The search by details or search by news status is implemented	The user can search by details and by news status are implemented
17	The UX/UI Design for searching the news	The checker preference				
18	The input validation is provided	None/Not Complete	The Yup validation has been provided	Only the validation has been implemented	The validation and error messages have been implemented in some pages	The validation and error messages have been implemented in all pages

19	The UX/UI Design for input validation	The checker preference				
20	The UI technique	None/Not complete	CSS has designed properly	Tailwinds have been used	Tailwinds have been used for the whole project	Tailwinds have been used for the responsive
21	The Deployment have been set	None/Not Complete		All the file on backend or frontend has been set	The backend or frontend have been deployed	The backend and frontend have been deployed
22	The Entity Design	The checker preference				
23	Overall Backend code structure	The checker preference				
24	Overall Frontend Code Structure	The checker preference				
25	Other cool features					