YesOK

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Part 1:

1. What will your project do?

We want to build an event management website. The service allows users to browse, create, and promote local events. The application will recommend and rank events according to the users‘ current location. For each event, the organizer will add a description, place, and time. The other participants can quickly join the event and add comments or likes to the event. Therefore, our website will allow users to know people with similar interests nearby to expand their social circles.

2. Who or what will be its users?

The users are those who want to organize a public event (organizer), and those who want to know about other people nearby by joining some social events (participants). Our website will have a simple registration flow which requires users’ username, password, and email address. The user system will allow users to manage their past and future events. The email address will allow the system to give notifications for incoming events. For each event, the organizer and other participants will have different permissions since only the organizer can modify or cancel the event.

3. What do you think you'll be able to show in your demo?

We will show the following aspects in our demo:

- The user register and login flow.
- How can a user create a new event?
- How will our system recommend and display events?
- How can a participant join and comment on an event he/she is interested in?
- How can a user manage his/her past and future events?
- How will our system push notifications by email?

4. What kind of data do you plan to store?

We will store the data in a database (MySQL). For example, the user information (username, password, email address), the event information (title, description, location, time, organizer, participants, etc.) and comments data (event id, comment id, content, user).

5. What API do you plan to use and what will you use it for?

Since our system will recommend events according to location information, we plan to use Google map API to handle it. We may also send emails to users to notify successful user registration, events registration, etc. Thus, we will use some email sending API.

Part 2:

User story

1. As a User, I want to see events that will happen near my location so that I can join.

My conditions of satisfaction are:

1) I have logged in
2) I choose to share my location

2. As an event organizer, I want to post events at a certain location during a certain time and get a sharable link so that people could see the event and join.

My conditions of satisfaction are:

1) I have logged in

3. As a User I want to see all events I have attended or organized and get sharable link so that I could refer them to my friends

My conditions of satisfaction are:

1) I have logged in
2) I have attended or hosted at least one event.

4. As a User I want to comment on an event so that I can share my thoughts with this event.

My conditions of satisfaction are:

1) I have logged in
2) This event has been created

Part 3

Test 1 - User story 1

1) Visit website YesOK.com
2) If not logged in, check if the locations of events are random, and the system prompts users to log in.
3) User log in
4) If the user chooses to share the current location, check if the events are ordered by distance. Otherwise, check if the locations of events are random.

Test 2 - User story 2

1) Visit website YesOK.com
2) Click ‘Create an event’ button, check if a notification is prompted, ask users to log in.
3) User log in
4) After clicking the ‘Create an event’ button, check if the user can now create a new event.
5) Users create a new event, check if a sharable link is shown and the event information is stored in the database.
6) Other users click the link, check if the right event information is listed.
7) Other users click the ‘join event’ button, check if they are added into the event, as well as the system.

Test 3 - User story 3
1) Visit website YesOK.com and log in.
2) Choose to attend an event
3) Check if the event is shown in the history page
4) Check if the event has a sharable link if it is not expired

Test 4 - User story 3
1) Visit website YesOK.com and log in.
2) Create a new event
3) Check if the event is shown in the history page
4) Check if the event has a sharable link if it is not expired

Test 5 - User story 4
1) Visit website YesOK.com and log in.
2) Leave a comment under one event
3) Check if the comment is under the event, and if the comment is stored in the database
4) Check if the comment is visible for other users

Part 4:

compiler/runtime: JavaScript(frontend), Python 3(backend)
IDE or code editor: Visual Studio Code(frontend), PyCharm(backend)
build tool: npm(frontend), pip(backend)
style checker: ESLint(frontend), Pylint(backend)
unit testing tool: Jest(frontend), unittest(backend)
coverage tracking tool: Jest(frontend), coverage(backend)
bug finder: ESLint(frontend), Pylint(backend)
persistent data store: MySQL