Description of site

This website provides selection of events designed for children. Parents can explore a variety of events depending on different interests, ensuring their kids have access to educational, creative, and entertaining activities tailored to their passions. Especially, this website offers the unique feature of real-time interaction through livestream comments. Parents can actively participate in live-streamed events, enhancing their child's experience by sharing excitement, asking questions, and engaging with the event.

Description of technology context

According to (Jobe, W. ,2013, Native Apps vs. Mobile Web Apps. International Journal of Interactive Mobile Technologies, p28, p32; Vilcek, T. & Jakopec, T.,2017, Comparative analysis of tools for development of native and hybrid mobile applications, pp.1516-1521)

Web Application:

Advantages:

1.Availability across different devices and platform: Web applications are accessible from any device with a browser, it is available for both desktop and mobile users.

2.No Installation and easy updates: Users don't need to download or install anything, simplifying access also updates are easy and convenient.

3. Development Costs lower: Developing for the web can be cost-effective.

Disadvantages:

1.Potential Performance inconsistency in performance: Performance can vary depending on the user's browser and device.

2.Less Native Integration: Integration with device features may be limited compared to native apps.

Native Mobile Application (iOS/Android):

Advantages:

1.Optimized Performance: Native apps are optimized for specific platforms, offering better performance and user experience.

2.Full Access to Device Features: Native apps can fully utilize device features, such as push notifications and camera integration.

Disadvantages:

1.Development for Multiple Platforms: Separate development for iOS and Android can increase time and cost.

2.Installation Required: Users need to download and install the app.

Native Desktop Application (Windows/macOS):

Advantages:

1.Optimized for Desktop Use: Native desktop apps offer a tailored experience for desktop users.

2.Full Integration: Access to desktop features and APIs for deeper integration.

Disadvantages:

1.Platform-Specific: Separate development for Windows and macOS might be needed.

2.Installation Required: Users need to download and install the app.

In my specific situation of a Kids Events Management Website with a livestream comments feature, for web application, it can offer cross-platform access to various devices but integration with device features can be limited. For native mobile applications, it provides optimized performance and integration which can enhance the livestream comments experience. For native mobile applications, it also provides a chance for users on laptops or desktops to experience the livestream comment's function. while Native Mobile Application seem well-suited for my scenario, hybrid application can be considered. approaches and considering user preferences could provide an optimal balance between accessibility, functionality, and performance. This app effectively blends the benefits of native apps with standard web technology, enabling cross-platform development. while utilizing various resources of terminals such as various sensors.

User stories:

1.Title: User Registration

Story: As a new user, I want to register on the website. I provide my name, email address, password, mobile phone number. so that I can access and participate in all events.

Acceptance Criteria:

The registration form collects my name, email address, password, and mobile phone number.

Each event shows list of upcoming events and its title, description, date, and time.

Each event detail page has a comment section. user can type and post comments.

Other users can't edit my events.

2. Title: Create an Event

Story: As a logged-in user, I want to create an event tailored to a specific category, such as music, arts, or science. So that I can share details of events.

Acceptance Criteria:

The system prompts the user to provide event details, including event name, date, time, location, description, image, and number of tickets available.

The User can choose a category for the event (e.g., Music, Arts, Science) to help users find events of interest.

3. Title: Event Status Management

Story: As an event creator, I want to see my event's status change based on specific conditions, such as when tickets are sold out or the event date has passed.

Acceptance Criteria:

If all tickets are booked, the event status changes to "Sold Out."

After the event date has passed, the event status changes to "Inactive."

Event status remains "Open" until conditions for changing it are met.

4. Title: Update Event Details (only the creator)

Story: As the creator of an event, I want to modify event information so that I can keep attendees informed about any changes.

Acceptance Criteria:

The creator can log in and access a list of events they've created.

For each event, the creator can update the description, image, start time, date, and venue.

5. Title: Cancel Event

Story: As the creator of an event, I want to cancel an event in case of unforeseen circumstances.

Acceptance Criteria:

The creator can access their list of events and choose to cancel an event.

After cancellation, the event status changes to "Cancelled."

Attendees receive notifications about the cancellation via email.

6. Title: Restricted Event Details Update

Story: As a user who created an event, I want exclusive access to modify event details to ensure accurate information is provided.

Acceptance Criteria:

Other users cannot update event details, preventing unauthorized changes.

Attendees can only view event details and not make any modifications.

The system enforces user-specific event detail updates to maintain data integrity.

7. Title: View Event Details (all user)

Story: As a site user, I want to select a specific event list and see its detailed information.

Acceptance Criteria:

From the list of events, user can click on an event's name to access its details.

The event's details include the name, date, time, location, description, image, and ticket availability.

a user can see the event's status (Open, Inactive, Sold Out, Cancelled).

The page layout is user-friendly and easy to read.

8. Title: Filter Events by Category

Story: As a site user, I want to filter events by category to easily find events that match my interests.

Acceptance Criteria:

The application provides a list of event categories (e.g., Jazz, Country, Classical).

I can select a category and see a list of upcoming events belonging to that category.

The listed events show their names, dates, and categories.

9. Title: Purchase Event Tickets

Story: As a logged-in user, I want to be able to buy tickets for an event I'm interested in attending so that I can secure my spot.

Acceptance Criteria:

A user must be logged in to buy tickets.

A user can view event details before purchasing tickets.

A user can specify the number of tickets the user wants to buy.

After purchasing, an order confirmation is generated and displayed for reference.

10. Title: Mark Event as Sold Out

Story: As a user, I want an event to be labelled as "Sold Out" when all available tickets are purchased.

Acceptance Criteria:

If a user buys the number of tickets equal to the available tickets, the event status changes to "Sold Out."

Other users attempting to buy tickets will see the event as "Sold Out."

Event status remains "Sold Out" until more tickets become available.

11. Title: Prevent Overbooking

Story: As a user, I want the application to prevent me from purchasing more tickets than what is available.

Acceptance Criteria:

When a user attempts to buy tickets exceeding the available quantity, the application should display an error message.

The error message should clearly inform me that the order cannot be placed due to insufficient ticket availability.

A user shouldn't be able to proceed with the order until I reduce the number of tickets to a valid quantity.

These user stories address the requirement of buying event tickets, updating event status, and ensuring proper ticket availability for users.

12. Title: Interact with Live stream comments

Story: As a logged-in user, I want to type text and post it as comments on the events. I want all users can see user's name, the comments, the posted date and want to share my excitement and thoughts about specific segments of the live stream, so that I can share my experience and interact with other users. I also can see real-time information.

Acceptance Criteria:

When viewing an event's details, a user should see a section to post his/her comments.

The form should include fields for name, rating, comments, and an option to indicate that the event was live-streamed.

After logging in, a user can type and submit his/her comments along with his/her name and the current date.

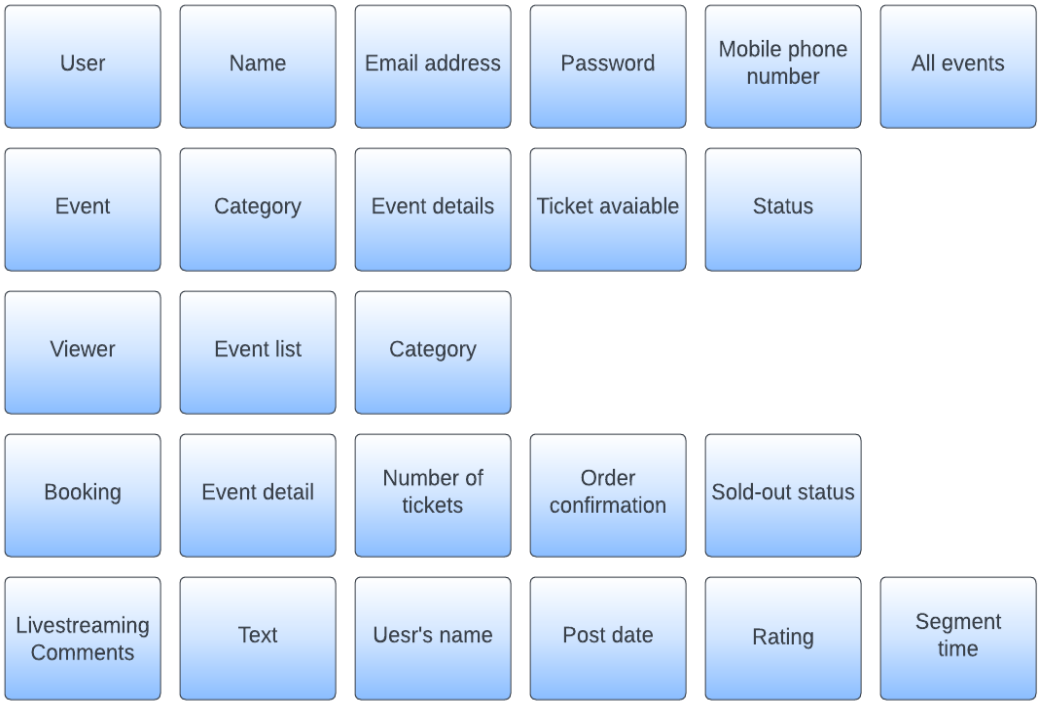
Once posted, his/her comment should be visible to all users who view the event's comments section.

The system associates' comments of user with the event and the specific time of the live stream segment.

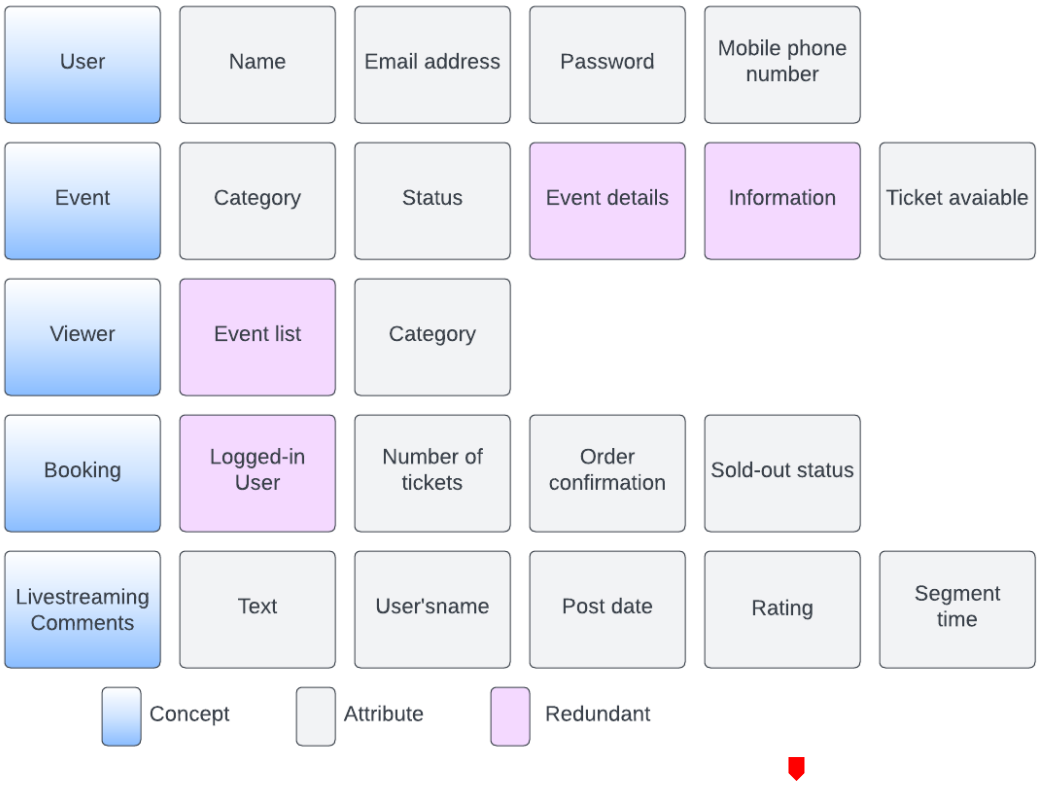
A user can read comments posted by other users on the event, including their names and posting dates.

Conceptual Model

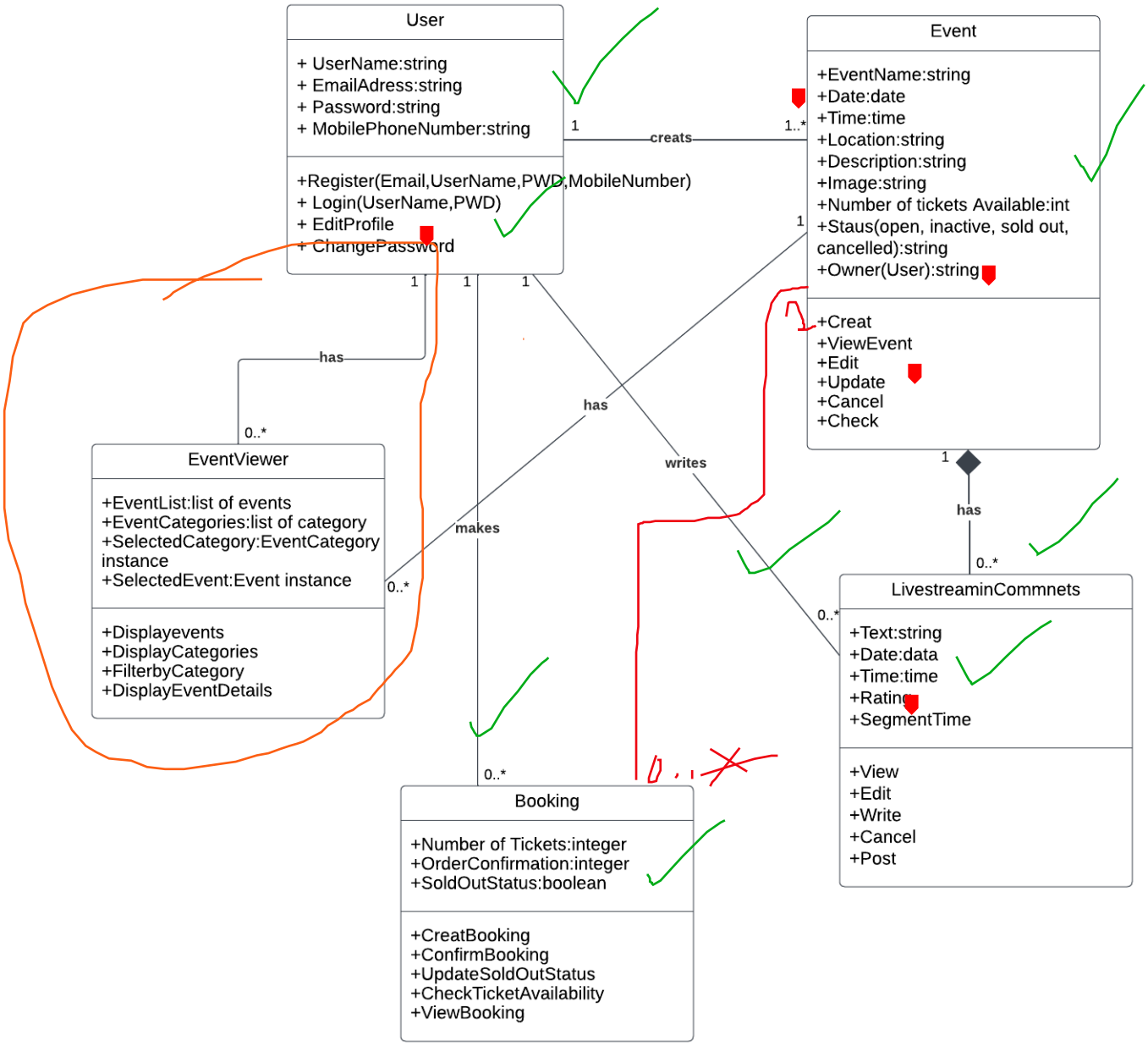
1)Provide a list of concepts/classes that were identified from user stories.



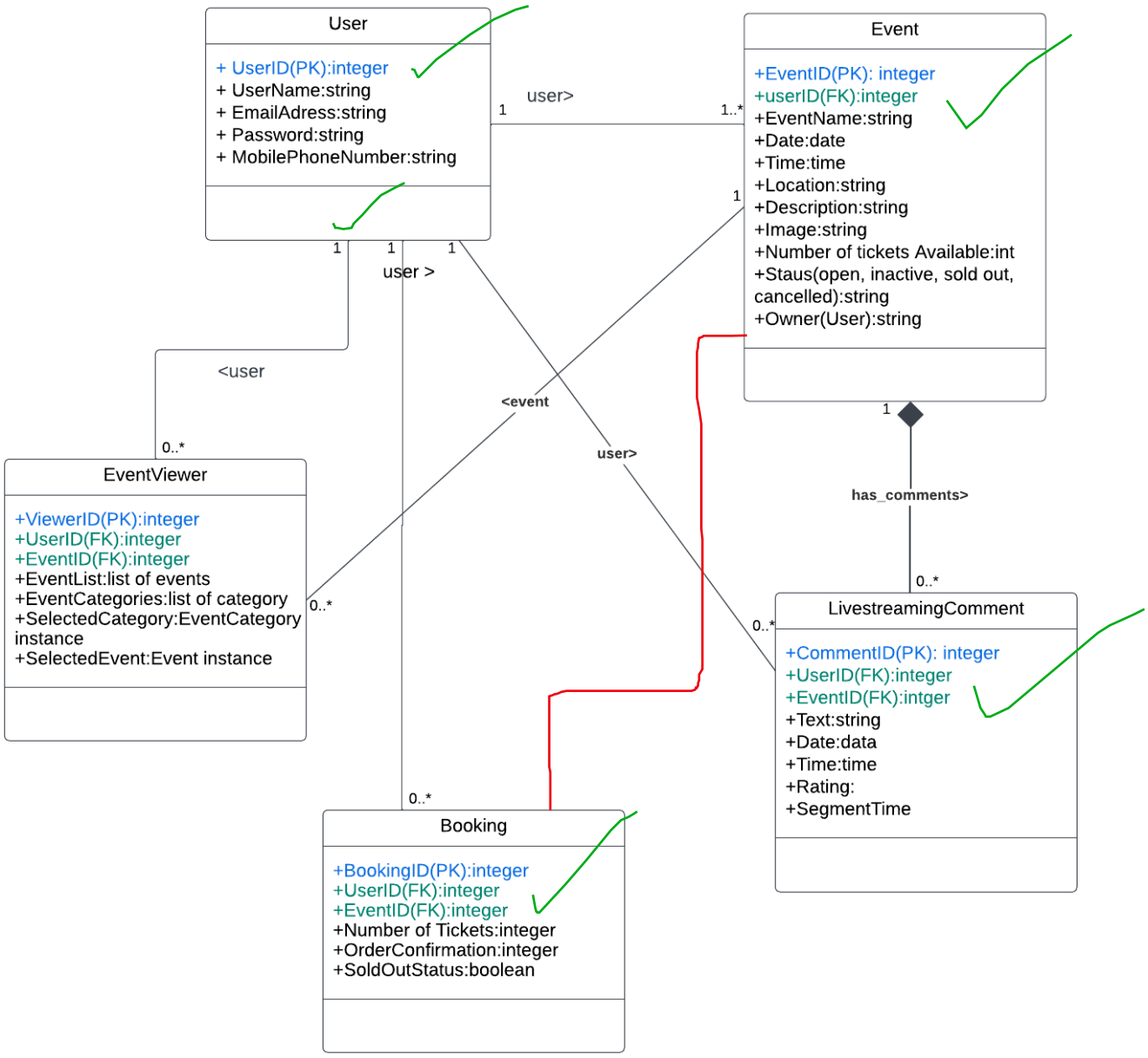
2)The refined list of classes



3)The list of responsibilities of class identified from user stories, and the final conceptual UML model.



Data Model



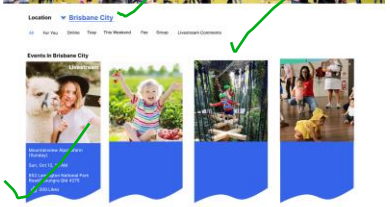
Wireframes

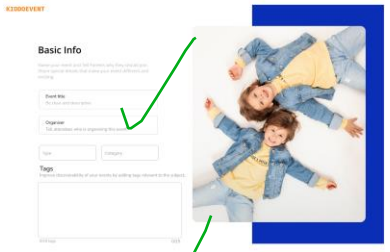
Provide wireframes for the following:

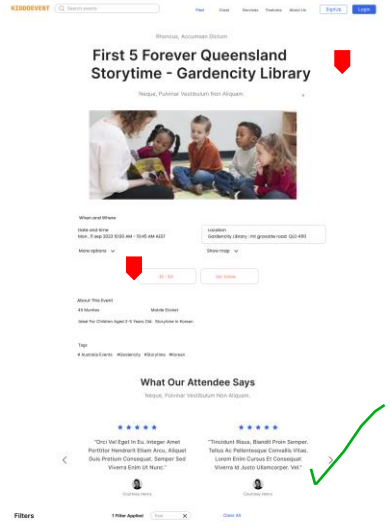
1. Home page of the web application.
2. A page that allows a logged in user to create an event.
3. A page or view for booking tickets of an event.
4. The page that allows a user to view the details of an event.

You can do this with any software or medium of choice, including pen and paper (provided you scan your images). You may wish to look at using software such as Figma, Balsamiq, Sketch or Lunacy


WELCOME TO
Brisbane Kite FESTIVAL


Location
Brisbane City
Events in Brisbane City


Basic Info
Tags
Location
Date and time


First 5 Forever Queensland
Storytime - Gardencity Library
What Our Attendee Says
Filters
Most Popular Matches