

**Griffith College
Society Event Management Website
Project Documentation Dissertation**

Hoai Nhan Nguyen

2989969

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Under the supervision of Osama Abushama

Disclaimer

I hereby certify that this material, which I now submit for assessment on the programme of study leading to the Degree of Bachelor of Science in Computing at Griffith College Dublin, is entirely my own work and has not been submitted for assessment for an academic purpose at this or any other academic institution other than in partial fulfilment of the requirements of that stated above.

Signed: 

Date: 13/06/2019

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Abstract

This project involves an event management system that allows Griffith College Societies to create events for fellow students. It will allow students to search, explore and experience events created by college societies that are approved by the student union (Admin). It will provide the opportunity for societies to expand their experience and social events beyond their affiliated members. Presently there is a lack of information about societies and events on the student union website, societies tend to be closed off and there is a division among them. It can be difficult to find these college society events as they tend to move into social media platforms such as Facebook, Instagram, and Snapchat. My objective is to unify these societies together with a dynamic website. The website project will tackle this issue by creating further event opportunities for Griffith College Students.

Chapter 1. Introduction

Experiencing college can be a difficult and intimidating process to many students especially to those who are in their freshmen year. Every student goes into the process of adapting into their new environment both academically and socially to survive each semester. College departments usually tackle this issue in many different angles through the creation of student unions, college societies, and events. In this project, I have decided to tackle this problem by creating a digitized solution for students at Griffith College. This digitize solution will involve a dynamic website in which students will be able to engage events through a multitude of societies. Below are the following actions that will take place among users of the website.

Student Member --> Signs in/Signs up on the website with a fee to join all societies --> Able to view approved events from Griffith College --> Able to experience Griffith College Society Events.

Society --> Signs in --> Creates Event --> View there event status --> Waits for approval of the event from the student union.

Student Union --> Signs in --> View list of all events created by societies --> Approve/Disapprove events based on guidelines --> if approved the event will be shown to student members.

This website will be built using HTML5 and CSS3 frontend technology for visualization and user experience while using PHP 7 and MySQL backend technology for its functionality and database storage. The documentation will be split into 9 different sections which will be followed as an Introduction, User Group and Permission, Event Website Inspiration, Website Site Map, Website Wireframe, Website Database Design, System Design and Specifications, Testing and Evaluation, and Conclusion.

Chapter 2. User Group and Permission

This section will explain the functionality of website pages and the user group access permissions. The user groups will be divided into four different users which are the public access group, the member access group, society access group and the admin access group. Below are the user group and permission table of the Griffith College Event website.

Navigation Name	Functionality	Public	Member	Society	Admin
index	This is the landing page of the website. It welcomes the user to Griffith College Events and allows users to view current societies, join as a member or login into the system.	YES	YES	YES	YES
join_now	This is the registration form that you must fill out to become a member of all societies in Griffith College. Once you are a member you will be able to review all approved events.	YES	NO	NO	NO
login	This is the login page which you enter your email and password. You will be either directed as a member, society or admin depending on your user type.	YES	NO	NO	NO
logout	This will show up once you are logged in. It will destroy the SESSION and redirect you to the index page.	NO	YES	YES	YES
header	This will be a separate .php file which will be required at the beginning of every web page. It will contain the navigation bar and the connection to the database.	YES	YES	YES	YES
footer	This will be a separate .php file which will be required at the end of every web page. It will contain Griffith College details, social links and the closing of the database connection.	YES	YES	YES	YES
Member User Website Pages					
events	This will present all the approved events that were created by Griffith college societies. Each card will provide a link to event_expand to provide further details. GET Method is used.	NO	YES	YES	NO
event_expand	This will provide further details of the events at Griffith College. As a	NO	YES	YES	YES

	member and society user, you will be able to search for current approved events. As an admin user, you will be able to change the event status.				
societies	This page presents all of the active societies that were created by the admin user. It will provide further details about the society and meet up times.	YES	YES	YES	YES
Society User Website Pages					
society_menu	This menu is only provided by the society user. It will provide links to society_events, society_event_create and society_update.	NO	NO	YES	NO
society_events	Presents events that were created by a defined society and to present its details and status.	NO	NO	YES	NO
society_event_create	This will allow the society to create an event with a form.	NO	NO	YES	NO
society_update	This will update details about the society such as its description, contact details, meet up and image.	NO	NO	YES	NO
Admin User Website Pages					
admin_menu	This menu is only provided by the admin user. It will provide links to admin_event_all, admin_event, and admin_society.	NO	NO	NO	YES
admin_event_all	This will present the events that were created by all societies. You will be able to filter the events based on its current status which can be indicated as Waiting, Approved or Disapproved.	NO	NO	NO	YES
admin_event	This will allow you to change the event status, update event details and delete an event.	NO	NO	NO	YES
admin_society	This will provide a form which you will be able to create a new society for Griffith College. You can also change the activity status of society and change the society president.	NO	NO	NO	YES

Chapter 3. Event Website Inspiration

Facebook Events

Details

Name: Facebook
Website: www.facebook.com/events/
Location: 4 Grand Canal Square, Dublin, Ireland
(Facebook Ireland)



Event Objective

Facebook events allow users to create public or private events for friends and family. As a user, you are able to set a location, time, date and details of the event. There is also an option to sell tickets although they redirect you to an external website such as Eventbrite. Facebook is a social media platform which provides and allows a dynamic aspect to the events which you be able to view which friends are going to an event and share the event on your Facebook wall.

Eventbrite

Details

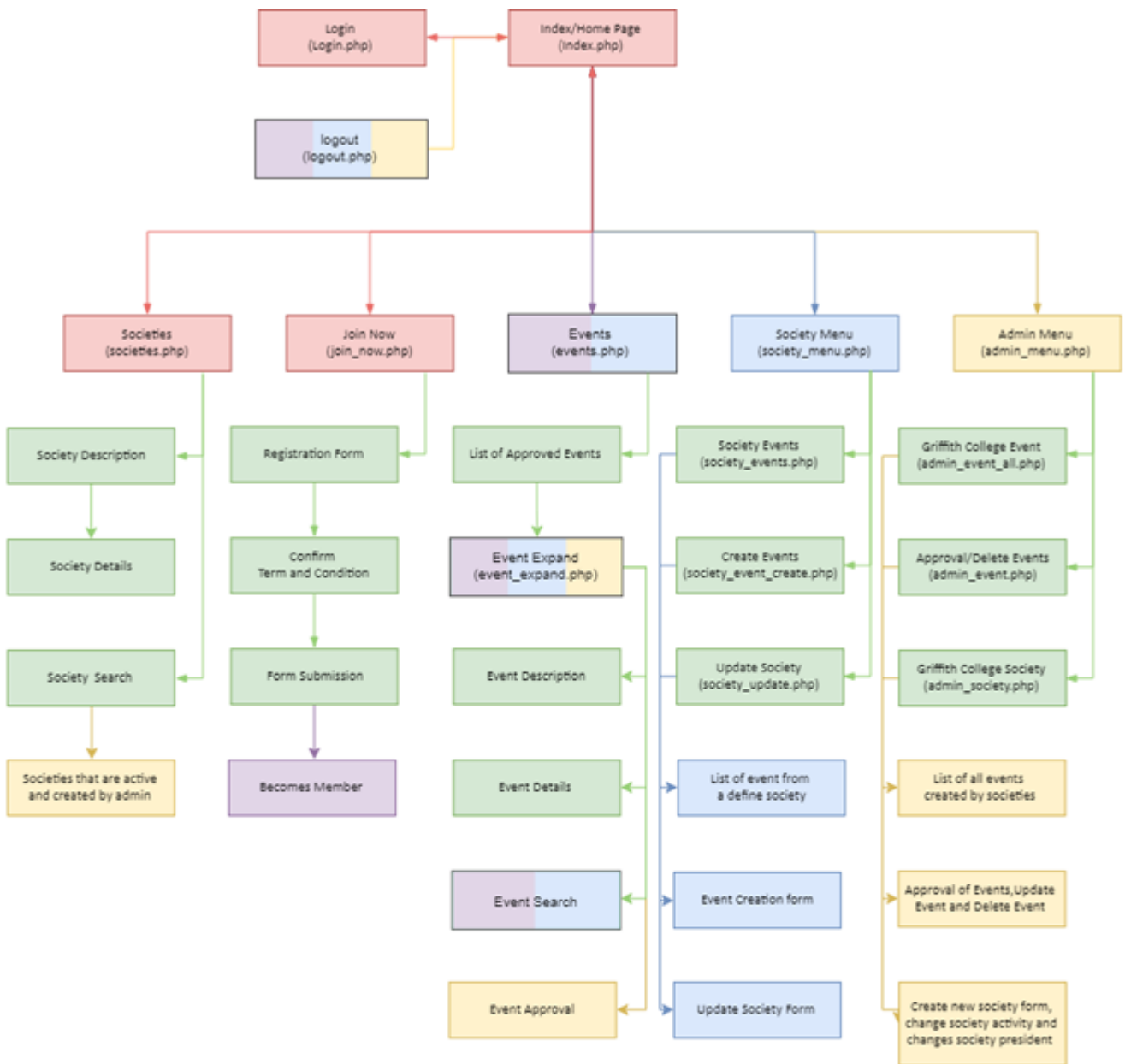
Name: Eventbrite
Website: www.eventbrite.ie
Location: Townhouse Twenty2, 22-23 Thomas Street, The Digital Hub, Dublin 8,
(Eventbrite Ireland)



Event Objective

Eventbrite is a ticketing and event technology platform. It allows users such as event organizers and businesses to create events and sell tickets to the public. It offers a wide range of events and experiences for the public while generating revenue through its ticketing system. Its system also allows to manage and track sales through a real-time reporting and analytics of the event to improve future events. There has a webpage for the public which lays out all of these events based on its location.

Chapter 4. Website Wireframe

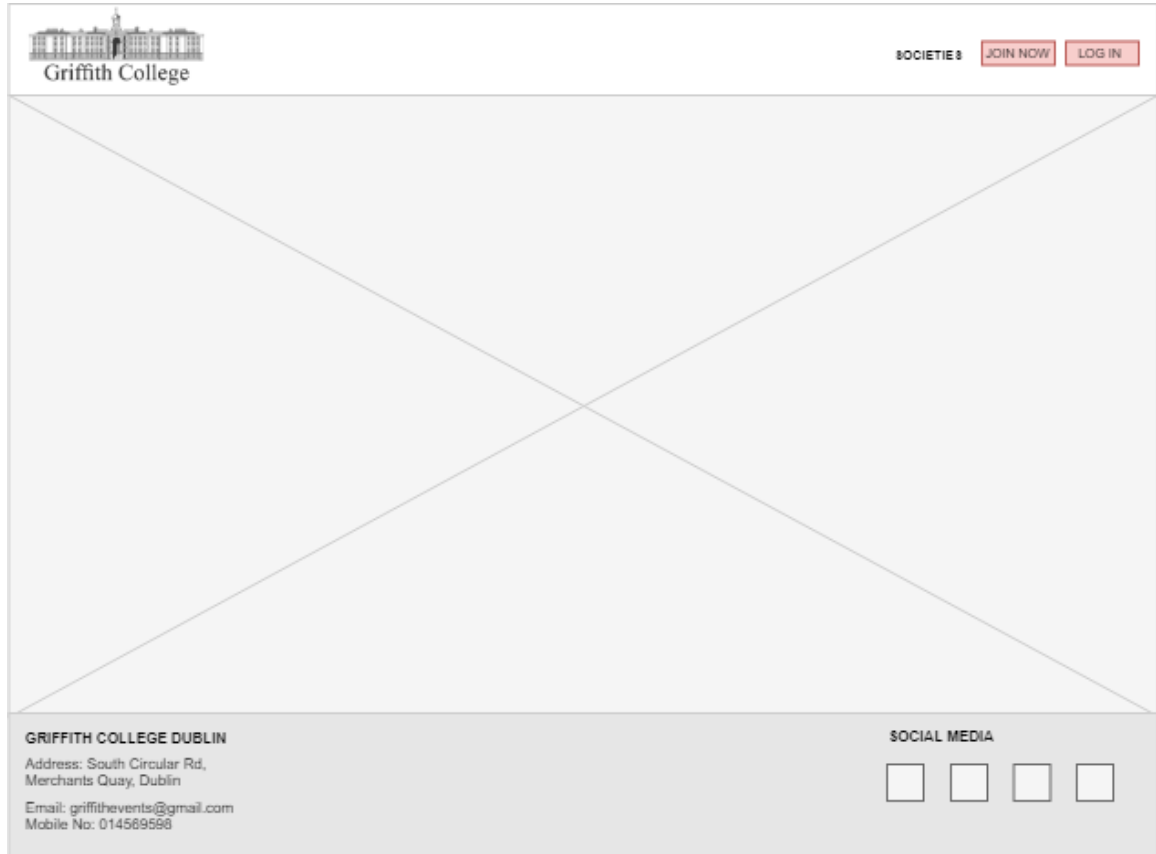


Legend:




Chapter 5. Wireframe

Homepage



This is the landing page of the website which will present a welcoming to the user using an image of Griffith College Campus. On the navigation bar, you are able to view current societies, join as a member or log in to view Griffith College events

Society/Event Page







SOCIETIES [JOIN NOW](#) [LOG IN](#)

HEADING


Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi semper placerat nibh, eget porttitor purus varius vitae. Aliquam vehicula neque nunc, a commodo metus semper id. Suspendisse potenti. Sed nec tortor ultricies, dapibus urna ut, pellentesque elit. Duis laoreet ultrices pellentesque. Pellentesque vestibulum, vitae mollis enim scelerisque. Fusce convallis mauris non velit molestie accumsan. Duis aliquet dapibus lorem eget eleifend. Ut metus neque, sagittis tincidunt nisl id, sagittis cursus magna. Curabitur id eros volutpat, efficitur elit sed, finibus nisi.vitae mollis enim scelerisque. Fusce convallis mauris non velit molestie accumsan. Duis aliquet dapibus lorem eget eleifend. Ut metus neque, sagittis tincidunt nisl id, sagittis cursus magna. Curabitur id eros volutpat, efficitur elit sed, finibus nisi.

GRIFFITH COLLEGE DUBLIN
Address: South Circular Rd,
Merchants Quay, Dublin
Email: griffithevents@gmail.com
Mobile No: 014569598

SOCIAL MEDIA


This page will be the detail layout of the events and societies in Griffith College. You will be able to view the society as public but you are unable to view events unless you login in as member, society or admin user.


Event List Page



SOCIETIES [JOIN NOW](#) [LOG IN](#)


LOCATION SOCIETY DATE

GRIFFITH EVENTS




EVENT HEADING NAME
Sat, Jun 10, 5:00pm
Location address in Ireland

JUN
10




EVENT HEADING NAME
Sat, Jun 10, 5:00pm
Location address in Ireland

JUN
10




EVENT HEADING NAME
Sat, Jun 10, 5:00pm
Location address in Ireland

JUN
10




EVENT HEADING NAME
Sat, Jun 10, 5:00pm
Location address in Ireland

JUN
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EVENT HEADING NAME
Sat, Jun 10, 5:00pm
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EVENT HEADING NAME
Sat, Jun 10, 5:00pm
Location address in Ireland

JUN
10







EVENT HEADING NAME
Sat, Jun 10, 5:00pm
Location address in Ireland

JUN
10

< 1 2 3 4 5 6 7 8 >


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Mobile No: 014569596

QUICK LINKS
[SOCIETIES](#)
[EVENTS](#)
[CONTACT US](#)
[PRIVACY POLICY](#)
[TERMS & CONDITIONS](#)

SOCIAL MEDIA


This page will present all of the current events from Griffith College. On top of the page you will be able to filter events based on its location, society or date.

Society Membership Page



SOCIETIES [JOIN NOW](#) [LOG IN](#)

SOCIETY MEMBERSHIP

STUDENT NUMBER*

TITLE*

FIRST NAME*

LAST NAME*

GENDER*

DATE OF BIRTH*

ADDRESS

PHONE NUMBER

EMAIL ADDRESS

CONFIRM EMAIL ADDRESS





PASSWORD

CONFIRM PASSWORD

☐ I have read and agreed to the Griffith College Event terms and conditions.


[SUBMIT](#)

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Address: South Circular Rd,
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Mobile No: 014569598

SOCIAL MEDIA


This is the form in which you will need to fill in to sign up as a member user. Once the sign up is completed a user will be able to log in and view current Griffith College events.

Society/Admin Menu Page



SOCIETIES [JOIN NOW](#) [LOG IN](#)

HEADING NAME

Lorem ipsum dolor sitamet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.elit, sed do sed do

LINK

LINK NAME

HEADING NAME

Lorem ipsum dolor sitamet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.elit, sed do sed do

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Lorem ipsum dolor sitamet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.elit, sed do sed do

LINK


LINK NAME

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SOCIAL MEDIA

This page will be the society and admin menus which will allow you to navigate other web pages that are specific to the user type. These web pages will allow the user to have functionality such as create events, update events and changing the status of an event.

Create Event Page



SOCIETIES [JOIN NOW](#) [LOG IN](#)

CREATE NEW EVENT

EVENT NAME*

EVENT ORGANISER NAME*

EVENT DESCRIPTION

EVENT LOCATION

EVENT DATE*

EVENT START TIME*

EVENT END TIME*

EVENT IMAGE

[Choose File](#)


[SUBMIT](#)

GRIFFITH COLLEGE DUBLIN
Address: South Circular Rd,
Merchants Quay, Dublin
Email: griffithevents@gmail.com
Mobile No: 0145695568

SOCIAL MEDIA

This page is solely for society user type. It will allow you to create events for the society which will be presented to the public once it's approved by the admin.

Event Admin page

SOCIETIES [JOIN NOW](#) [LOG IN](#)

EVENT APPROVAL

GRIFFITH COLLEGE EVENTS

EVENT APPROVAL

[SUBMIT](#)

UPDATE EVENT

GRIFFITH COLLEGE EVENTS

UPDATE EVENT ORGANISER NAME*

UPDATE EVENT DESCRIPTION

UPDATE EVENT LOCATION

UPDATE EVENT DATE*

UPDATE EVENT START TIME*

UPDATE EVENT END TIME*

UPDATE EVENT IMAGE

[Choose File](#)

[SUBMIT](#)

DELETE EVENT





GRIFFITH COLLEGE EVENTS

I HAVE AGREED TO DELETE THIS EVENT STATED ABOVE. ☐

[SUBMIT](#)


GRIFFITH COLLEGE DUBLIN
Address: South Circular Rd,
Merchants Quay, Dublin
Email: griffithevents@gmail.com
Mobile No: 014569568

SOCIAL MEDIA



This page is solely for admin. It will allow you to update, delete and approve current events that were created by societies.

Login page



Griffith College

SOCIETIES [JOIN NOW](#) [LOG IN](#)

GRIFFITH EVENT LOG IN

EMAIL ADDRESS





PASSWORD

[SUBMIT](#)

GRIFFITH COLLEGE DUBLIN
Address: South Circular Rd,
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Mobile No: 014569598

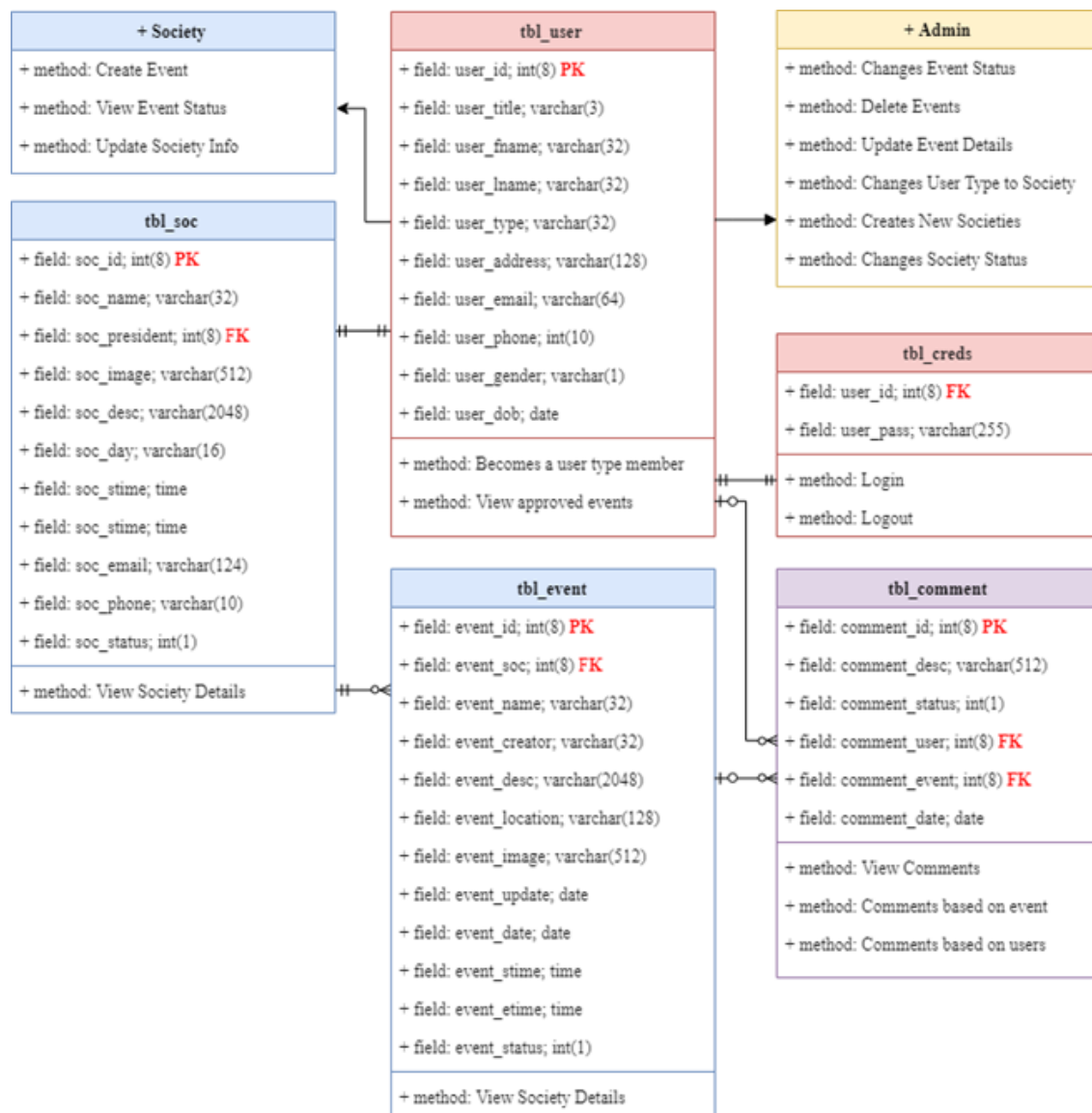
QUICK LINKS
[SOCIETIES](#)
[EVENTS](#)
[CONTACT US](#)
[PRIVACY POLICY](#)
[TERMS & CONDITIONS](#)

SOCIAL MEDIA



This is the login page. You must input your email and password to view events as a member user, create events as a society user and change event status as an admin user.

Chapter 6. Website Database Design



Chapter 7. System Design and Specifications

Frontend Technology

The primary technology for the frontend of the website, I have used HTML5 and CSS3. I have chosen to use these technologies purely instead of using bootstrap. My objective was to provide flexibility with the design and to progress into frameworks such as React or Angular in the next design phase.

Backend Technology

The primary technology for the backend of the website, I have used PHP 7 and MySQL. I have used PHP7 for its functionality, security and the connection to the database. SQL was used to store information into the database for the website. Both were used to for the dynamics of the website providing the details and activity of the events.

Chapter 8. Testing and Evaluation

I have used XAMPP to develop and test the website functionality. When the website was completed I have created a test_input.sql as input examples to be used for the website. I have check each web page to make sure that the information has been manipulated on the database on phpMyAdmin. Another test example was to make sure that each web page is only accessible based on the user type. I have created error messages as well to make sure an input and correct format has been made when using forms. When dealing with the frontend I have used the inspect function on the web browser to make sure the website is responsive for mobile devices.

Chapter 9. Conclusions and Future Work

From the completion of the project, I have learned how to develop a dynamic website involving backend and frontend technologies. I was able to create an idea through problem-solving and to execute it using web development technology.

There is still further development that I would like to progress further in the website such as having a user comment section, ticket bookings, and payments systems to be integrated into the website. In terms of the frontend I plan to do further research in the design of the website to improve the user experience.

Bibliography

Books used to complete the final website project

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