

# CLUBHUNT

A Project Report

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Under the Guidance of

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## CERTIFICATE

This is to Certify that Project - 1 (203105499) of 6<sup>th</sup> Semester entitled “Regional News Application” of Group No. PUCSE\_52 has been successfully completed by

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*“The single greatest cause of happiness is gratitude.”*

-Auliq-Ice

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## **Abstract**

Club Hunt is a platform designed specifically for students. Our goal is to make it quick and easy for you to discover all the amazing clubs and groups available at our university. With Club Hunt, you can browse through a wide range of clubs, from academic and professional organizations to social and recreational groups. Whether you're passionate about sports, arts, community service, or anything in between, there's something for everyone on club Hunt. Our user-friendly interface lets you search for clubs based on your interests, browse upcoming events and meetings, and connect with fellow students who share your passions. Plus, with our fast and intuitive platform, you'll spend less time searching and more time getting involved in the activities you love.

**Keywords:**

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# **Chapter 1**

## **Introduction**

- Club Hunt is a platform designed specifically for students. Our goal is to make it quick and easy for you to discover all the amazing clubs and groups available at our university.
- With Club Hunt, you can browse through a wide range of clubs, from academic and professional organizations to social and recreational groups. Whether you're passionate about sports, arts, community service, or anything in between, there's something for everyone on club Hunt.
- Our user-friendly interface lets you search for clubs based on your interests, browse upcoming events and meetings, and connect with fellow students who share your passions.

### **1.1 Problem statement**

In today's university landscape, students face challenges in discovering and engaging with campus clubs and organizations. The existing methods for finding clubs are often fragmented, time-consuming, and lack penalization. Many students are unaware of the diverse range of clubs available on campus, leading to missed opportunities for personal growth, networking, and skill development.

The "Club Hunt" project aims to address these challenges by providing a user-friendly platform that revolutionizes the way students discover, connect with, and engage in campus clubs and organizations. Through personalized recommendations, streamlined browsing, and interactive features, "Club Hunt" seeks to empower students to make the most of their university experience by finding clubs that align with their interests, passions, and goals. By bridging the gap between students and clubs, "Club Hunt" aims to create a more vibrant, inclusive, and connected campus community.

## **1.2 Scope of project**

The scope of the "Club Hunt" project includes the development and implementation of a comprehensive platform to facilitate club discovery and engagement for university students. Key components of the project scope include:

- **User Interface Design:** Designing an intuitive and user-friendly interface that allows students to easily browse, search, and explore campus clubs and organizations.
- **Database Management:** Developing a robust database to store information about clubs, including club descriptions, meeting times, contact details, and upcoming events.
- **User Authentication and Profiles:** Implementing user authentication mechanisms to allow students to create accounts, log in securely, and personalize their profiles based on their interests and preferences.
- **Mobile Compatibility:** Ensuring that the platform is compatible with mobile devices to allow students to access club information and features on-the-go.
- **Launch and Promotion :** Planning and executing a launch strategy to promote awareness of the platform among university students and encourage adoption.

## **1.3 Aim and objectives of the project.**

### **1.3.1 Aim:**

The aim of the "Club Hunt" project is to develop a centralized platform that facilitates efficient club discovery and engagement for university students, ultimately enhancing the overall campus experience.

### **1.3.2 Objectives:**

- Develop an intuitive user interface that simplifies the process of browsing and exploring campus clubs and organizations.
- Create a comprehensive database of club information, including descriptions, contact details, and event schedules.
- Implement personalized recommendation algorithms to suggest clubs based on user preferences and interests.

- Enable club leaders to manage their profiles, post events, and communicate with members effectively through the platform.
- Promote awareness and adoption of the platform among university students through strategic marketing and outreach efforts.
- Ensure the platform is accessible and compatible with mobile devices to accommodate the needs of students on-the-go.
- Conduct thorough testing and quality assurance to identify and address any usability issues or bugs before launch.
- Provide ongoing maintenance and support to ensure the platform remains functional, secure, and aligned with user needs.

# **Chapter 2**

## **Literature Survey**

### **2.1 Guidelines for Newspaper Companies for Creating Usable Mobile News Portals [1]**

The research study's result emphasises how critical it is for traditional newspaper firms in particular to adjust to the growing trend of mobile internet usage. Newspapers must adopt a calculated strategy to be relevant in the face of a revolutionary shift in the media consumption environment brought about by the widespread use of mobile devices. An essential instrument in this endeavour is the Mobile Newspaper Development Framework (MNDF), which provides an organised methodology that includes phases for analysis, design, development, and assessment. Newspaper publishers can ensure the establishment of a mobile news portal that is both user-friendly and adaptive by navigating the hurdles presented by a variety of mobile devices and user preferences using MNDF. Newspapers that adopt MNDF can effectively position themselves in the mobile internet market, protecting their relevance and accessibility in an increasingly

### **2.2 New Generation Android Operating System-based Mobile Application – RSS/News Reader[2]**

Finally, the unusual web-based design of the RSS/News Reader and its cross-platform interoperability, made possible by the PhoneGap framework, set it apart from other news applications. Its easy-to-use interface makes reading more enjoyable for those who are not familiar with mobile devices, which encourages accessibility. The programme can be expanded to other platforms based on demand, even though it was initially released on the Android platform due to its versatility. This study highlights the effectiveness of developing hybrid mobile applications with

HTML5, CSS, JavaScript, jQuery Mobile, Python, and Django. In the future, efforts will be directed towards creating a multi-platform RSS/News Reader that takes use of its dependability, simplicity, and extensibility to provide a better user experience in a variety of mobile situations.

### **2.3 News Feed Application for Android [<sup>3</sup>]**

In summary, the "News Feed Application for Android" meets the growing need for immediate access to news updates and proves to be a practical and essential tool in today's hectic environment. This cutting-edge smartphone software provides a smooth, effective, and simple experience by streamlining the interaction between people and international affairs. The programme minimises user effort while providing extensive news coverage through the integration of APIs and online services. By providing customised material, the adoption of personalised news feeds improves user pleasure and maximises time management. The application, which prioritises security and accessibility, is a major step forward in the distribution of news on mobile devices and has the potential to completely transform how people stay informed in the digital era.

### **2.4 Expert Systems with Applications[<sup>4</sup>]**

In conclusion, this study examined how mobile news apps are used and what effect they have, with an emphasis on Android news apps that are available on the Google Play Store. 50 research scholars, including MPhil and PhD candidates, participated in focus groups for the study. It was discovered that most users thought these applications were helpful since they offered entertaining content and pertinent news updates. Overall, there was a consensus that the benefits outweighed the drawbacks, despite certain unfavourable findings including poorly handled content and health problems like headaches, nausea, and eye discomfort. The ease of use and availability of free news services were valued by users, however some voiced doubts over the veracity of the information. In the end,

### **2.5 Effects of Online News Applications for Android-A Critical Analysis[<sup>5</sup>]**

In conclusion, this study examined how mobile news apps are used and what effect they have, with an emphasis on Android news apps that are available on the Google Play Store. 50 research scholars, including MPhil and PhD candidates, participated in focus groups for the study. It was discovered that most users thought these applications were helpful since they offered entertaining content and pertinent news updates. Overall, there was a consensus that the benefits outweighed the drawbacks, despite certain unfavourable findings including poorly handled content and health problems like headaches, nausea, and eye discomfort. The ease of use and availability of free news services were

valued by users, however some voiced doubts over the veracity of the information. In the end,

## **2.6 Information Processing and Management<sup>[6]</sup>**

analysing the findings of the longitudinal dataset taken from a well-known mobile news app in China, this study shows a worrying trend of users' news consumption becoming less diverse. The study highlights the impact of structural factors on news consumption behaviour by finding a positive association between the diversity of an individual's news intake and the diversity of information available globally. Gender disparities are also noted, with men demonstrating a greater vulnerability to diversity in global information than do women. The study emphasises how crucial it is to take into account how recommendation algorithms affect mobile news platforms and how those factors may influence how each person consumes news. In order to reduce the risk of audience fragmentation, mobile news services must ensure that users have a variety of news interests.

## **2.7 Implementing a Mobile Application News Tool for Disseminating Messages and Events of AlBuraimi University College<sup>[7]</sup>**

In summary, the goal of this research was to improve communication among college students and staff by creating a mobile application that meets their needs. The programme effectively distributes news, events, and announcements from colleges straight to users' devices by taking use of the widespread usage of mobile technology and the growing popularity of mobile notification systems. High user satisfaction as indicated by the post-questionnaire answers validates the tool's efficacy in simplifying communication procedures and lowering dependency on conventional techniques like emails and circulars. Even though the application has several drawbacks, like a small sample size and limited support for different operating systems, further improvements are planned to address these problems and further increase the functionality and usefulness of the application across various user demographics and mobile platforms.

## **2.8 A Trend and Prospect of News Media through Mobile News Application<sup>[8]</sup>**

This research concludes by analysing how news consumption has changed in the smart media era, with a particular emphasis on mobile news applications. The three primary categories of news services—news-on-demand, classic old media, and social network-based news—are examined. User-generated material powers social networking news services, which may be biased but excel in speed. While SNS news spreads quickly, traditional media finds it difficult to compete. News-

on-demand businesses, however, accommodate personal tastes but struggle to disseminate news broadly. The report envisions a dynamic future in which these platforms coexist, with conventional media lending legitimacy, SNS services controlling diffusion, and news-on-demand changing to satisfy a wide range of user wants. News consumption platforms will keep changing the media landscape as technology develops, demanding constant monitoring and evaluation.

## **2.9 Exploring mobile news reading interactions for news app personalisation<sup>[9]</sup>**

To summarise, this research explores the design of adaptive news app interfaces in response to the growing trend of news consumption on smartphones and tablets. We developed an Android news app to record user interactions and identified three main categories of news consumers through a series of three trials. We assessed adaptable interfaces customised for each user type and built a classifier to accurately identify user kinds using this data. The results emphasise the value of personalisation in news app interactions by indicating that various reader types benefit from varied interface designs. In order to improve user experience and engagement in the dynamic mobile news landscape, future work will concentrate on improving adaptable interface designs to offer automatic personalisation for news applications.

## **2.10 News Alert App<sup>[10]</sup>**

In conclusion, the "News Alert Android App" gives users access to breaking news from all around the world in real time, marking a substantial progress in the field of mobile news consumption. The app guarantees that users can enjoy multimedia storytelling experiences and keep updated about issues of interest thanks to its user-friendly layout and customisable news choices. Information distribution is streamlined by AI-driven algorithms, while social media integration promotes meaningful conversations and sharing. By employing a combination of techniques, such as surveys, user interviews, and iterative app development, we have determined user preferences and improved the app's functionality over time. Future features like AI-driven news curating, multilingual support, and immersive multimedia integration hold the potential to significantly increase the app's influence and promote a more knowledgeable and interconnected global community of news consumers.

## **2.11 Local News and Geolocation Technology in the Case of Portugal<sup>[11]</sup>**

As an outcome, this study clarifies how geolocation technology might help Portugal's local journalism industry thrive in the face of digitalization and the demise of conventional media outlets.

The results show that although geolocation-based services present exciting prospects, their efficacy is hampered by major operational issues. Many Portuguese local newspapers struggle to effectively utilise these technological improvements despite recent programmes targeted at digital transformation. This can be attributed to a number of factors, including a lack of resources and a lack of digital literacy. The suggested evaluation technique offers a useful framework for assessing how mobile apps are used in local journalism, outlining potential areas for development and further study. Going forward, resolving these issues and improving the evaluation standards might help the creation of more effective and long-lasting digital solutions for the local.

## **2.12 Role of Personalization in Continuous Use Intention of Mobile News**

### **Apps in India: Extending the UTAUT2 Model<sup>12</sup>**

In summary, this study combined the idea of personalisation with the Unified Theory of Acceptance and Use of Technology 2 (UTAUT2) model to investigate the variables impacting the intention to use mobile news applications (apps) continuously. The continuous use intention of 309 respondents was found to be highly influenced by performance expectancy, habit, hedonic motivation, and facilitating conditions; personalisation, effort expectancy, and social influence did not exhibit any direct influence. It's interesting to note that there was no discernible moderating influence from personalisation. These results emphasise the significance of habit building, intrinsic motivation, and perceived utility in understanding user behaviour towards news apps. The study emphasises the need for more investigation into continuous usage patterns and personalisation in the context of mobile news apps.

## **2.13 Developing Web-Based E-News Application as an IT-Based Facility<sup>[13]</sup>**

The study's ultimate goal was to create an E-News application that would help articles on information technology spread, with a special emphasis on the Polytechnic Pos Indonesia campus. The application seeks to improve overall information management, improve user experience with more categories and comment areas, and expedite the uploading of articles by leveraging web-based technologies, PHP programming language, and MySQL database. The created application met its goals of giving users accurate and readily available information by effectively addressing the difficulties that were posed. In order to improve user engagement and offer a comprehensive platform for the transmission of E-News in the field of information technology, it is advised that the application be developed further in the future. This may involve adding new features and functionalities.

## **2.14 User Interface Personalization in News Apps<sup>[14]</sup>**

In our research paper, we've examined how people read news on their smartphones and tablets and found that it's a very personal activity. While news apps have made great strides in recommending articles based on users' interests, they haven't adapted well to how individuals actually read the news. We propose a two-dimensional approach to news personalization, focusing on both the content delivered to users and how they interact with it through the user interface. By integrating content recommendation with user interface personalization, news apps can better tailor the reading experience to each user's unique preferences and habits. Our study underscores the importance of considering not just what news users want to read, but also how they want to read it, in order to create more engaging and user-friendly news apps for mobile devices.

## **2.15 NewsBERT: Distilling Pre-trained Language Model for Intelligent News Application<sup>[15]</sup>**

To improve the efficiency of big language models like as BERT for news-related tasks, we present NewsBERT in our research article. By employing a teacher-student learning strategy, we suggest a technique to condense these models without sacrificing performance. By copying the expertise of the larger "teacher" model, the smaller "student" model gains information from it. Moreover, to further improve this learning process, we propose a momentum distillation technique. We demonstrate NewsBERT can greatly increase performance across a range of news-related tasks utilizing considerably smaller models through experiments conducted on real news datasets. By making news intelligence apps faster and more user-friendly for millions of people, this strategy has the potential to completely transform the way people read the news and improve the news for all readers.

## **2.16 Challenges of archiving and preserving born-digital news applications<sup>[16]</sup>**

We have tackled the urgent problem of archiving and maintaining born-digital news applications in this study. These applications are essential to modern journalism, but they are in danger of becoming obsolete because of technological difficulties. These apps, like data-driven interactive stories like ProPublica's "Dollars for Docs" project, have different preservation issues than traditional text-based news. We have emphasized the dearth of all-encompassing preservation plans as well as the necessity of more study to create guidelines, standards, and best practices for efficiently

archiving and capturing these dynamic digital items. By laying out our plans for next endeavors, we hope to clear the path for the successful long-term preservation of these crucial elements of contemporary journalism.

## **2.17 MOBILE NEWS A review and model of journalism in an age of mobile media<sup>[17]</sup>**

We looked into how mobile devices are changing how people consume and produce news in our research paper. As smartphones and tablets have proliferated, news consumption has shifted away from conventional media like newspapers as news access has grown more broad and convenient. A large portion of regular life for many individuals now involves consuming news on their mobile devices, which has increased dramatically in recent years. Early research revealed reluctance to consume news on a mobile device, but today it's a regular activity, particularly before bed and on daily commutes. By adopting mobile news publishing, legacy news organizations have responded to this shift and enabled the growth of mobile news services. Using a focus on important themes, this paper summarizes the body of research on journalism and mobile media and offers directions for future study.

# Chapter 3

## Project Flow and Methodology

### 3.1 Project flow diagrams

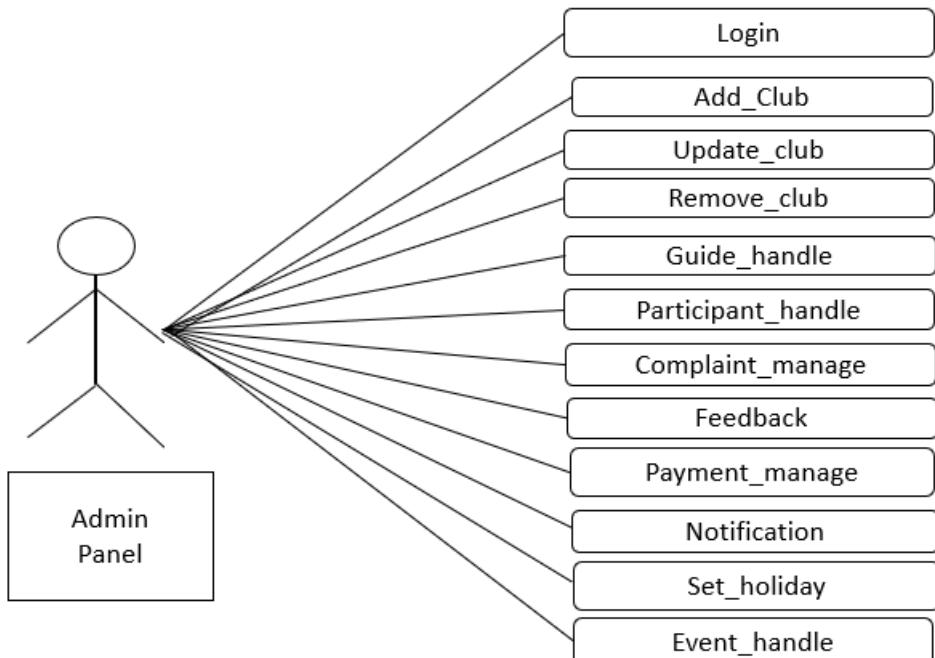


Figure 3.1: Admin Use Case diagram

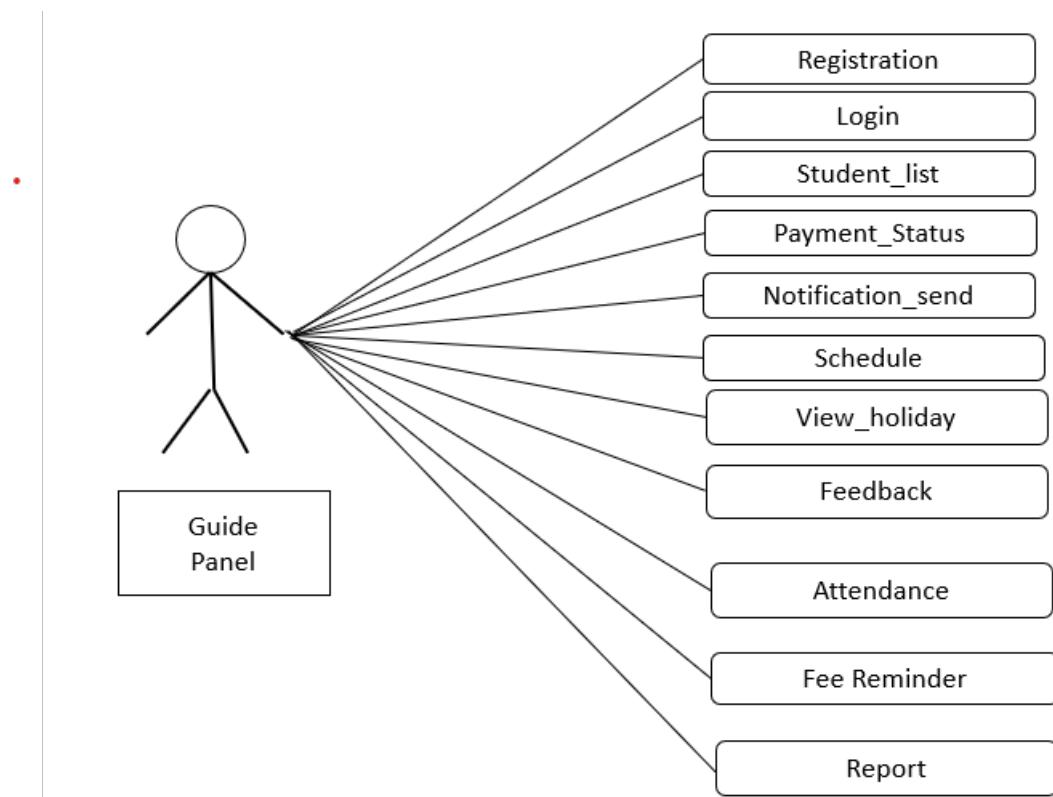


Figure 3.2: Guide Use Case diagram

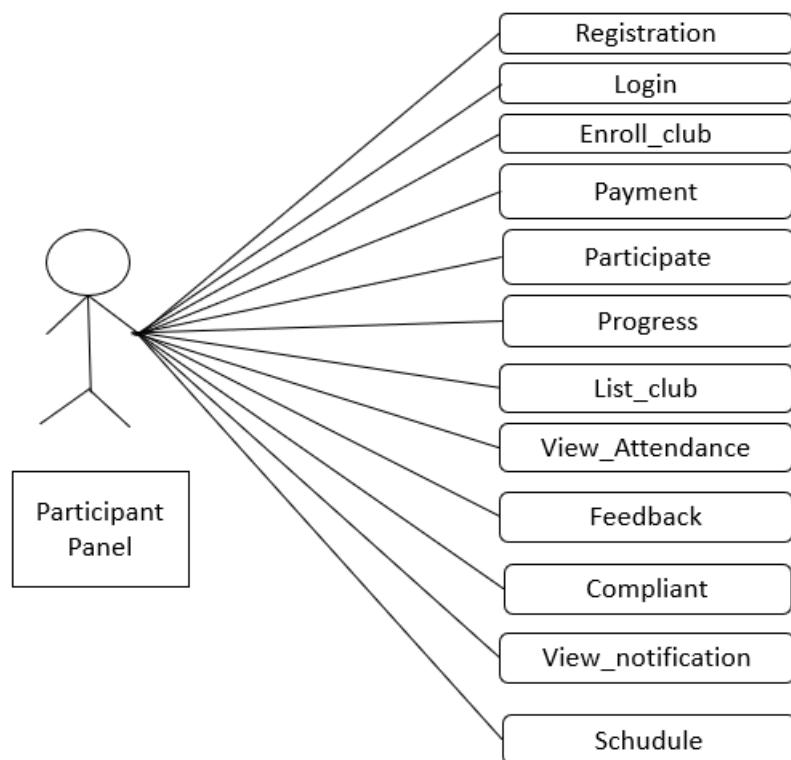


Figure 3.3: Participant Use Case diagram

# **Chapter 4**

## **Future Work**

### **4.1 Future work module**

1. Mobile App: Developing a dedicated mobile app for Club Hunt could provide students with convenient access to information about clubs and groups on the go. It can include features such as push notifications for upcoming events or new club registrations.
2. Integration with University Systems: Collaborating with university administrators to integrate Club Hunt with existing university systems (such as student portals or event calendars) can enhance the platform's visibility and accessibility.
3. Virtual Club Fairs: Considering the rise of virtual events, Club Hunt could host virtual club fairs, allowing students to explore clubs through online booths, attend virtual information sessions, and interact with club representatives in real-time.
4. Alumni Engagement: Extending the platform to involve alumni who were once part of specific clubs can provide valuable mentorship opportunities for current students and create a more extensive network.
5. Resource Sharing: Creating a section for clubs to share resources, such as event planning guides, templates, or best practices, can enhance collaboration and support among different student organizations.m to involve alumni who were once part of specific clubs can provide valuable mentorship opportunities for current students and create a more extensive network.
6. Integration with Social Media: Enabling users to share their club affiliations or activities on social media platforms directly from Club Hunt can help increase awareness and encourage more students to join clubs.

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