**INTI International College Penang School of Engineering and Technology 3+0 Bachelor of Science (Hons) in Computer Science, in collaboration with Coventry University, UK 3+0 Bachelor of Science (Hons) in Computing, in collaboration with Coventry University, UK**

**Coursework cover sheet**

**Section A - To be completed by the student**

|  |  |  |  |  |  |
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| Semester | | : | April 2023 | | |
| Lecturer | | : | Mdm. Koo Lee Chun | | |
| Module Code and Title | | : | 6002CEM – Mobile App Development | | |
| Assignment No. / Title: Coursework  CW2 – Project | | | | % of Module Mark : | 75% |
| Hand out date: | 2 May 2023 | | | Due date: | 18 June 2023 |
| Penalties: No late work will be accepted. If you are unable to submit coursework on time due to extenuating circumstances you may be eligible for an extension. Please consult the lecturer. | | | | | |
| Declaration: I/we the undersigned confirm that I/we have read and agree to abide by the University regulations on plagiarism and cheating and Faculty coursework policies and procedures. I/we confirm that this piece of work is my/our own. I/we consent to appropriate storage of our work for plagiarism checking.    Signature(s): - - | | | | | |

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# Introduction

Nowadays, as the digital landscape is continuing to evolve, there is a rise in the use of mobile devices as one of the platforms to access to the media. In response to this trend, NovelComix is a useful mobile application that provides the convenience of accessing a wide range of stories. Users may access any of the stories on their mobile devices whenever and wherever they decide on. The story line could be either in the form of comics or novels.

NovelComix is a mobile application that aims to provide users with a unique and engaging storytelling experience by combining comics and novels in one application. Comics and novels have been popular mediums for storytelling for decades, with each offering its unique advantages and drawbacks. Comic could help in increasing engagement as readers may find comics more interesting and have more fun compared to novel only story.

The motivation for developing NovelComix application is to give users a flexible and inclusive reading experience that meets their requirements and preferences. As a result, NovelComix combines comic books and novels into a single application that gives users the option to read the visual comic or novel version, depending on their preferences. Additionally, NovelComix ensures that users are able to explore and find new stories by providing stories in many genres, such as romance, fantasy, mystery, and others.

# Use Case diagram



# Detail explanation for each module

Label clearly each module name and student name who work on that module

* **User management (User Authentication)**
  + Enables users to create accounts, log in securely, and manage their profiles. It ensures personalized experiences, saved preferences, and access to user-specific features.
* **Content Management**
  + Allows administrators to manage and organize the collection of comics and novels available on NovelComix. It includes features such as adding new content, categorizing them by genres or authors, and updating existing content.
* **Search and Discovery**
  + Enables users to search for specific comics or novels based on titles, authors, genres, or keywords. It also includes personalized recommendations, trending content, and filters to help users discover new reading materials.
* **Reading Interface**
  + Provides an interactive and immersive reading experience for users. It includes features like page navigation, zooming in/out for detailed viewing, bookmarking, highlighting, and customizable reading settings (font size, background colour, etc.).
* **Bookshelf and Reading History**
  + Allows users to create personalized bookshelves to organize their favourite comics and novels. It also keeps track of their reading history, allowing them to resume from where they left off and track their progress.

## User Accounts Management

Users can create accounts to access the application and personalize their details such as information and preferences. Also, admin have the access to the user accounts management to ensure they would avoid spam accounts or user who abuse the application.

## Browse and Search

Users can browse and search for comics and novels by title, genre, author, or keyword. By filtering any keywords, user could find the stories they wanted or by genres to explore new stories.

## Reading Modes

Users can switch between comic and novel versions, with options for page-by-page or continuous scrolling reading mode. During comic version, user will see the stories with visual like images and bubble with speech while arranging in sequence by sequence. Alternately, during novel version with text arranged in paragraph and chapters, user could focus more into the story in a more literary manner. In different reading mode, reader could choose either turning page or one continuous stream scrolling down to read.

## Bookmarks and Favourites

Users can bookmark their favourite comics and novels, save them to their favourites, and resume reading from where they left off. From this, user would not require to search again they have read last time.

## Offline Reading

Users can download comics and novels to read offline, making it easy to access content on the go. For example, the user would have to go to some places where without any Wi-Fi or mobile data, they still could access the comic or novel of the NovelComix that they have downloaded prior to their travel or trip.

# Strengths of the app

# Weaknesses of the app

# Future enhancements

* + - **Social Features**

NovelComix may offers a social feature that encourages users to interact and engage. Through this feature, users can recommend stories to friends and followers. It could allow readers to follow other readers making group connections effortless. Users could have the ability to leave comments and reviews fostering a lively atmosphere. NovelComix could also enable users to provide suggestions for storylines or improvements directly to administrators or authors.

* + - **Multi-language Support**

NovelComix could provide a multilingual support feature as it might be used by global audience. If having this feature, users can select their desired language from various options available, which enables them to enjoy reading comics in their native language or explore stories in different languages. This feature will enhance user accessibility and offer a personalized experience to the users.

* + - **In-app Purchases**

In-app purchase system may include in the NovelComix application, allowing users to access premium content or subscribe to exclusive features. Through in-app purchases, users are able to unlock bonus content that is interesting. This could provide chances to support users’ favourite authors by subscribing to their works. By doing this, readers may directly express their appreciation and support for the excellent authors while also supporting the app's revenues.

# Reflection from each member

## Damien Tan Lek Khee

## Lim Pau thing

## Ooi Ying Jie