CET333 Product Development
Requirements Specification Document

Name:	Pranil Khadka
Programme:	BSc. (Hons) Computer Systems Engineering

Overview

The city of Beijing has won the bid to host the next Olympics game in 2022. For this Olympics, they have invested hugely in the field of IT to make it systematic. For this, they have decided to make a broadcasting website which is smooth and bug free to aware the audience about the upcoming games. Therefore, city has assigned me to develop this broadcasting website according to the client's requirements.

Product to be delivered to client

To deliver a broadcasting website that allows worldwide audiences to login, register and logout and watch and enjoy their favourite games. The application will be smooth, the requirements must be fulfilled and most be user-friendly.

Client Requirements

The client interview was conducted to collect the requirements from one of representatives. The exact requirements were clarified and were collected from the client in the first meetingswhich are listed below:

Functional Requirements
The functional requirements are divided for the admin and normal users.

- **User**
  - Login/ Register or Create account/ Logout
  - View livestream
  - Add comments
  - Get news about the upcoming games
- **Admin**
  - View and manage user's details
  - View and manage video's details
  - Monitor user's password

Non-Functional Requirements
- The website must be flexible for further improvements and additional features.
- Permissions and restrictions for the user must be specified properly.
- The website must be accessible to all the users around the globe in all the major browsers and must be responsive.
- System must be responsive and bug free.
- Colour combinations that will be used for designing.
- The website should be as delivered as wireframe design.

Wishlist
- Filtering comments
- Subtitles for the stream
- Ratings system for each video
- Subscription based plan (only subscribed user will watch certain videos)
- Notification of the game if user clicks on notify

Constraints

-Time

The time for the project completion is too and the final project must be delivered on time.

-Cost

The total cost for the project is about 70 thousandpounds so the project must be completed within that budget.

-Quality

The quality of the product that will be developed at final stage will be given priority. Due to limited bandwidth, the quality might be compromised for the world-wide audiences.

Resources

The functional and non-functional requirements were collected from the client through one-to-one meeting. After collecting all the requirements from the client, all the software and hardware requirements were collected. For the development and testing, I will be using my personal laptop with the specification of i7 7th Gen Processor along with 16 GB DDR4 RAM and GTX 1050ti graphics card. For the code editor, I will be using Visual Studio code which is lightweight and free for both frontend and backend. Similarly, I will be using Figma for the wireframe design. Finally, for the internet connection, the home ethernet connection will be used.

Evaluation

All the requirements were collected from the client via one-to-one meetings.The application will be developed using agile model. The future changes will be done with the time-to-time meetings with the client regarding the colour combinations, design, and other non-functional requirements.For the other parts i.e. testing, technical deployment and critical evaluation will be doneonce the product is completed.

Client Sign-off

Signature:	
Date:	19th September 2022