DMC105

Design for User Interaction -CA4

12190008 Jambay Lhamo

12190013 Mon Aley Bahadur

12900026 Sonam Wangchuk

12190035 Tshering Samdrup

Student group: 4A

Submission Date: 25 november 2022

| Time | Practical classes 1 and 2 |
| --- | --- |
| Week 1  (31 Oct – 4 Nov) | Present in class:  Final Site Map      Idea addresses industry needs with solid research data |
|  | Billions of people around the world use social media to share information and make connections. On a personal level, social media allows you to communicate with friends and family, learn new things, develop your interests, and be entertained. Nevertheless, its security and trustworthiness issues have also become increasingly serious, which need to be addressed urgently.  Facebook and Twitter, which are one of the biggest social media platforms, are all from other countries and there is no other option for Bhutanese citizens than to use those applications knowing that their data is going to be exploited. While they provide privacy options and say a lot of things about protecting our data, most of the time, our data would be used by these big companies without the consent of the users.(BBC News, 2018)  There are also online users scamming Bhutanese people knowing that others will never find out their identity. (Bhutan’s Daily Newspaper, n.d.) Therefore, for a country to not have its own social media platform is a big problem and gives these big companies an opportunity to exploit Bhutanese citizens.  So, B-KUZU can be a solution to all these problems. B-KUZU will follow the ethics and laws of Bhutan and will guarantee that the data are not being misused. It could replace these foreign apps. With Bhutanese phone numbers to authenticate the user, there is no fear of being scammed in B-KUZU. |
|  | Approved:  zuqcNKcv \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lecturer’s Code |

| Week 2 (7 Nov – 11 Nov) | Present in class:  \*Technical Application:  Tech Scalability  Technology used:  Front-End Development:  1.HTML It is used to publish documents with headings, text, tables, lists, photos and to retrieve online information via hypertext links.  2.CSS It is used to make web pages presentable by including colors, layout and fonts.  3.Bootstrap It is used to make responsive devices.  4.JavaScripts It is used to make a web page dynamic(pop up message) and interactive.  Back-End Development  1. MongoDB It is used as it enables them to build applications faster, handle highly diverse data types, and manage applications more efficiently at scale.  2.Node js It is used as a highly effective server and client-side programming method for developing faster web applications.  3.Express js  It is used for designing and building web applications quickly and easily. Web applications are web apps that you can run on a web browser. Since Express. js only requires javascript, it becomes easier for programmers and developers to build web applications and API without any effort.  \*Limitation  1.Security The system does not have security as it will have issues in protecting the data.But we will try to reduce the security and we will use blockchain to have security in the system to make users truly trust in our system.  2.Language  Weibo is one of the most popular social media platforms where they will communicate or chat in their own language.But in this system we have only english language to integrate with other users. So, we can integrate bhutanese language to make user to use the system conveniently.  \*Usefulness Tech Functions  B-Kuzu is developed to have user-friendly Bhutanese social media web application.It produces a platform that allows users to have conversations, share information and create content. It is built to reduce the number of false information, online scamming and cyberbullying on social networking sites  \*Tech Originality  Social media platforms have become the most popular in communicating and networking where we try to build one of them.But our system already has original technology like facebook, twitter and instagram etc.  Facebook, the largest social media, keeps more than 2.9 billion privacy data in the whole world. In early April 2018, one million personal data of Indonesian Facebook users was stolen by other parties. Mark Zuckerberg, as a founder and CEO, acknowledged that the Facebook data consisting of customer personal data had been stolen and used by other parties.  \*Tech Relates for Industry  1.Machine Learning for advertisement  Machine learning as an extension of Artificial Intelligence uses data and algorithms to imitate human understanding. Facebook uses machine learning to rank feeds, advertisements, search results, while also creating text understanding-based algorithms.  2. Artificial Intelligent for Facial Recognition and Smart Displays  Deep Learning is a tool of Artificial Intelligence which is a complex amalgamation of algorithms and neural networks which mimics the way humans gain knowledge. Facebook uses Deep Learning (DL) for Facial recognition and Textual analysis.  3. Social Communication in Virtual Reality  Facebook recently launched a Virtual Reality based application- Horizon Workrooms, a 3D Virtual office people can have access to with an Oculus VR headset. Or, log in through a standard microphone and camera but these will show up on a screen within the virtual workspace. Further, the app uses Augmented reality to present people as avatars with the ‘offices’. |
| --- | --- |
|  |  |
|  | Approved:  \_YtNX9j95\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lecturer’s Code |
|  |  |

| Week 3  (14 Nov – 18 Nov | Present in class:  Visual organization & Appeal:  Mood board    Design Concept  1.What will the product do?  It is social media platform where users are kept engage in communicating with friends and relative and also users gets an opportunity to share their thoughts and feelings through their content of articles or show their talent in arts and music.They can share their untold stories without known by others and get an solution from other users or readers.  2. Who is the product for?  The product is for the Bhutanese people to use as they can experience such products in their own country and to keep their data secure from misinformation and corruption. It will help users to show their talent of arts and articles by posting in video or articles.It will also keep users engaged in updating the new information and interactive.  3. What will the product experience be like?  The product is an interactive system as it has messaging features where users are kept interacting with each other. They can post about their interesting things and also they can share their information they want to display and convey to other users without any false information. User can have profile and details of the system or the product as it can be view by other user.  \*Color psychology for the products  These are the colors used in the system or product.    Purple:  It is used as it represents reality and sensuality of an individual person using the system.      Orange:  It is used as it represents modern, innocent, innovative and especially HAPPY AND FUN. |
| --- | --- |
|  |  |
|  | Approved:   \_vxhm8FF6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lecturer’s Code |
| Week4 | Our group has five pages like home which contain post of the users ,videos,friend request, notification and message.  Figma link  <https://www.figma.com/file/5Xu079PqrVpilVGzTJNale/B-KUZU?node-id=0%3A1&t=n1NnEfEgYe9siEo9-0> |