

FarmConnect

Degree Program: BS(SE)

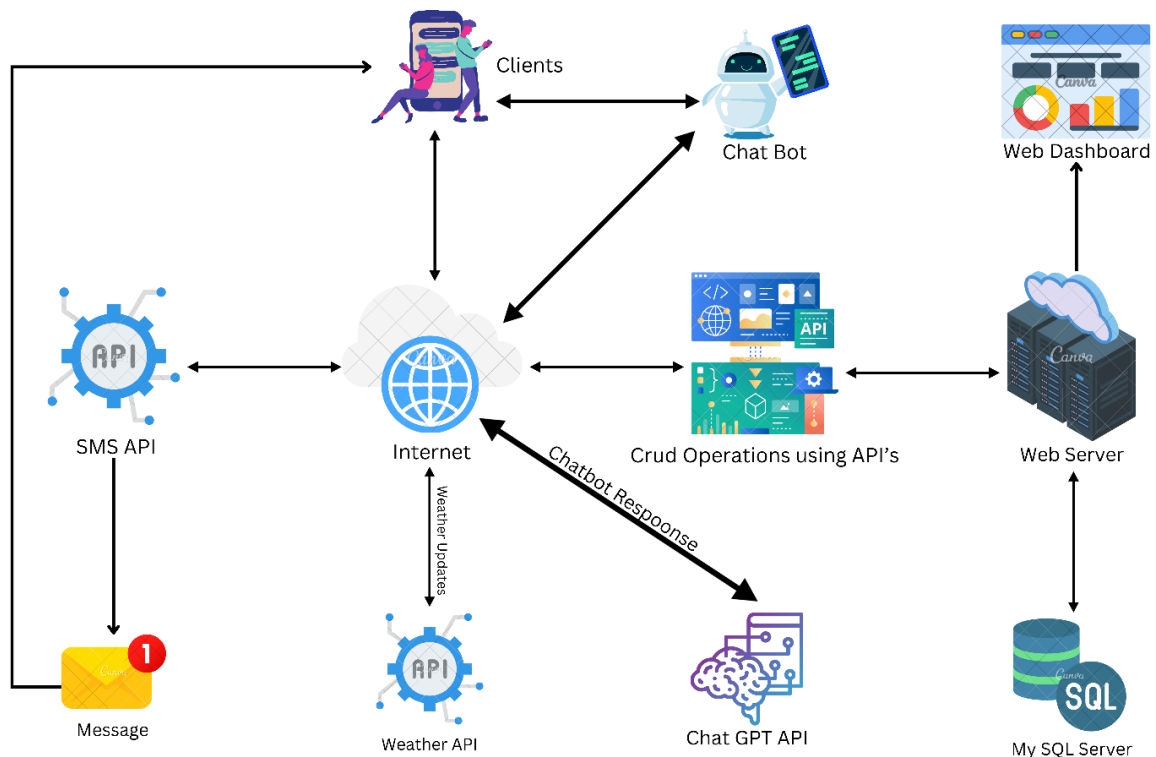
Supervisor Name: Prof. Dr. Yaser Hafeez

Problem Statement:

The FarmConnect software addresses the challenge of fostering collaboration and knowledge-sharing within the farming community. Existing agriculture apps lack a holistic approach to connecting farmers with networking, information exchange, and collaboration tools. Our motivation to develop this system arises from the absence of a comprehensive platform tailored to farmers' unique needs, encompassing advanced features like group communities, marketplace, and secure communication. While similar systems exist, they often lack crucial functionalities. Re-implementing FarmConnect offers a chance to refine these features, enhancing user experience and adaptability. We aim to learn skills in user-centered application design, integrating diverse functionalities, and building a secure and scalable platform for real-world agriculture practices.

Proposed Solution:

FarmConnect offers an integrated solution by providing personalized user profiles, advanced search, newsfeed, group communities, and marketplace. Through a user-centric design, it ensures ease of use and intuitive navigation. The system's algorithm utilizes user preferences and tags for effective content discovery. This project emphasizes data security protocols to facilitate secure communication. By amalgamating various agricultural features into a single application, FarmConnect eliminates fragmentation and fosters a robust farming community. The re-implementation focuses on refining functionalities based on user feedback, ensuring a more effective tool for farmer networking, education, and resource exchange.



Tools and Technologies:

- Android Studio (XML, Java)
- Firebase
- MySQL
- Visual Studio Code (HTML, CSS, JavaScript, PHP)
- Laravel

Group Member's Contact and Skills:

Registration #	Student Name	E-Mail	Contact #	Experience/ Skills
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