FINAL YEAR Project

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Abstract

For our final year project, we were looking to create an industry stander application that would help farmers in day to day life. There has been a lot of talk in recent weeks about the escalating fodder crisis and the negative impact it is having on farmers and their livestock. For months, farmers have faced difficult farming conditions due to persistent cold and wet weather. Farmers usually purchase enough fodder, dried hay or feed given to cattle and livestock, to last until the spring when the grass begins to grow, and animals can begin to eat that instead. As a team we want to design a free web application where the user can enter data and store it, do out calculations for the fodder months. There is also AI section for keeping track of the herd in the calving months, tagging section for keeping track of new born animals, section for keeping track of the medicine used on the herd throughout the year. We have created this application with a client and server pulling data from databases. We created a three-tier application, using Mongo Db and Firebase as our Data Tier, NodeJS for our Logic Tier and Ionic 3 for our Presentation Tier. Adding specific features such as, adding Al, Tagging, Feed, Madison and creating a message board for farmers to group together and find solution's to problems there are encountering. it was our objectives by gearing our app specifically for farmers.

Authors

The authors of this project are Derrick Conway and Gary Mannion, Currently students studying Software Development in Galway-Mayo-Institute of Technology.

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1 Methodology