

MODERNISING THE FARMING INDUSTRY

- ▶ Harvest is a software system to assist farmers with farm management and facilitation of work. It will assist growers with yield data and optimising worker's performances. The system will efficiently measure worker productivity, track the foremen on a farm, record information and data, and display the necessary information. This system is aimed at farming communities to help them record data and get work done more efficiently. It will comprise of: an Android/iOS application and a website.

WHAT WE'VE DONE

- ▶ Deployed to App Store, Play Store and Web
- ▶ Real world testing with possible clients
- ▶ Improved expected yield predictions accuracy
- ▶ Improved search functionality
- ▶ More robust graph system on web

TEST PROCESSES

- ▶ Unit tests are done on base algorithms as sanity checks
- ▶ Unit tests are done on mid level code. Dependancy injection is required since actual server calls should be avoided.
- ▶ Higher level code is tested with UI Tests
- ▶ Mock data generator is used for scalability and performance testing
- ▶ User feedback about UI/UX has been used to improve the system