

SWE20001 MSP
Projects
Request for Proposal

Standard Project: GotoGro-MRM

Company: Goto Grocery (GotoGro) Inc.

Software: Members Record Management System (GotoGro-MRM)

Synopsis

Goto Grocery is a member-based grocery store based in Hawthorn. We offer quality grocery items for our members.

Currently we are using a paper-based system to record our members details and their sales records. Recently, we find it difficult to manage our members expectation. In particular, we find it difficult to satisfy our members grocery needs. We often ordered items that are not needed by our members.

We are in need of an application that can help us to manage our members records and inform us their grocery needs in a timely manner.

The application must offer a graphical user interface. However, the reports generated need to be in a format that can be easily translated into CSV (comma separated values) files for further processing.

Your own Project: Team agreed [need special approval from your tutor – ask in the first tutorial after the team agrees on a specific project]

Task: You need to think about what you want to do and write up a request for proposal similar to the one in the Standard Project above; send it as an email to the unit convenor / tutor with the subject “SWE20001 MSP – Request for Proposal – My own project” or discuss this with your tutor in your first tutorial after you form a team for special approval.

Timing: The unit convenor / tutor may ask you several questions to pin down the details, so as to decide whether it is suitable for the team to do the project – too simple or too complicated. Also, it may take several rounds of communications to finalize the request for proposal. Hence, it is strongly recommended that you start this task early.

Mystery Project [last resort, contact unit convenor for project details]: Following are some pre-defined projects from some industry partners but "scoped down for your SWE20001 purposes". You may need to sign a non-disclosure agreement for the Mystery Projects.

Skills required: Embedded Device related knowledge, Raspberry Pi, Arduino, C / C++, and GTK3+ knowledge an advantage