

# Project Proposal<sup>1</sup> : “GotoGro” MRM

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Tutorial: Tuesday 10:30 ATC325

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## Quality Management

*Our aim in terms of quality is to deliver a software that meets end-user requirements and will perform as expected by the user. We aim to deliver a product that covers testing of each component independently and after it is integrated with the main system, the code review and refactoring and focus on the reliability of the software to deliver necessary information to the client.*

***Backlog Item 1: Add Member/ Add Sales Record***

***Quality Characteristic: Functional Suitability***

***Quality Sub-Characteristic: Functional Completeness***

***Quality Metric: Total Failed Test Cases***

***Threshold: <5% of the overall test cases***

***Backlog Item 2: Search Function***

***Quality Characteristic: Reliability***

***Quality Sub-Characteristic: Fault Tolerance***

***Quality Metric: Total Number of false positive search results***

***Threshold: <10% of overall search results***

***Backlog Item 3: Search Function***

***Quality Characteristic: Performance and Efficiency***

***Quality Sub-Characteristic: Time Behaviour***

***Quality Metric: Amount of time required to return search results***

***Threshold: <45seconds from search entered to result returned***

***Backlog Item 4: Delete a member/Update Existing Member/Edit Sales Record***

***Quality Characteristic: Security***

***Quality Sub-Characteristic: Authenticity***

***Quality Metric: Number of successful attempts without authentication***

***Threshold: Number of successful attempts without authentication should be <3%***

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<sup>1</sup> This document is by no means a “full project proposal”. It has been simplified and customized for the purposes of SWE30010 teaching. The full project proposal includes many other sections which have not been discussed during the first few weeks of SWE30010 teaching.

***Backlog Item 5: Generate a members grocery report in CSV Format***

***Quality Characteristic: Usability***

***Quality Sub-Characteristic: Learnability***

***Quality Metric: Number of users able to use the system***

***Threshold: Number of users able to use the system should be >94%***