

RIMPiler

A Compiler for the RIMP Programming Language

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Background and Specification Progress Report

Background and Context

Give background information, and context of the motivation for the project.

Background: Information and definitions almost for any relevant domain specific information. Motivation: Why is this important, what is missing, what is new, and why do I want to do this?

Literature Review

What existing works are similar or tangential to this project? What are the relevant theories and concepts? What are the relevant technologies and techniques? What do we do differently?

Requirements

An overview of functional requirements, perhaps non-functional requirements, and a brief description of use cases.

Note, From a example submission: Ullah Joya Loyalty Card App 2015

”Importance of the requirements is shown next to them. A high priority requirement must be implemented for the project to be considered complete. Without low priority requirements, useful but not critical, the application should offer basic 23 functionality. High priority requirements should be implemented first and then tackle other lower priority requirements.”

So we should be able to specify even aspirational requirements, and then prioritise them.

Specification

Give requirements priorities, and specify them in more detail. perhaps also list limitations of the project, and assumptions made here.

Design

Identify use cases, with diagrams, give the system architecture, "as low level as possible". Use UML diagrams, data flow diagrams, sequence diagrams, etc.