Department of Computer Science

BSc Honours Computer Science

6WCM0029 Computer Science Project

Final Project Report:

**Next Generation Tasking:**

Evaluating Low-Code and .Net framework approaches to application development within an enterprise setting.

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## Acknowledgements.

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## Abstract.

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## Introduction.

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## Literature Review.

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## Requirements.

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## Design.

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## Technical Development.

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## Evaluation.

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### **Risk Register**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Title | Description | Inherent Risk | | Mitigation | Residual Risk | |
| Impact | Likelihood | Impact | Likelihood |
| RSK\_001 | Failure of development equipment | Use of computing equipment poses a risk of data loss due to corruption and/or catastrophic loss of equipment following destruction, fire or theft. | C | ML | Use of secure cloud Version control systems such as GitHub and SharePoint to store code base and report data. | S | L |
| RSK\_002 | Ill-defined project specification | Lack of a properly defined project specification could lead to scope creep and introduce delays into the project. | Mo | M | For the purposes of an academic activity, the project should be defined to produce a working artifact as a minimal viable product (MVP) | Mo | M |
| RSK\_003 | Primary role and family life affecting project progression. | Project Lead is employed full time in the IT specialisation in a leadership role, which will demand much of their time for the duration of the project period. Likewise, family commitments will have to be honoured during this time. | S | MH | Effective and robust project plan should be in place to manage time fully. Project is aligned to Organisational goals and will allow for development work to be undertaken during office hours. | Mo | MH |
| RSK\_004 | Project schedule not clearly defined. | Without creating a robust project schedule there is a risk that it will not be ready on time due to not clearly defining the key milestones or goals. | Mo | M | Generation of a crafted and robust timeline of events using PM techniques such as Ghant charts. | Mi | ML |
| RSK\_005 | Poor communication between project lead and supervisor. | Lack of engagement form the Project lead may cause delays in producing a complete report. Where key points are missed or lead to ‘going down the wrong rabbit hole’ | Mo | ML | Regular check-ins with the supervisor to update progression or discuss roadblocks and receive clarification and direction where appropriate. | Mo | L |
| RSK\_006 | Ethics Approval not received in a timely manner | In order to generate a holistic view of the application and whether the project has been successful will depend on the ability to complete a form of User Acceptance Testing. | L | M | Lack of ethics approval will not be of detriment to the proposed project, however it will limit the scope of results and so final evaluation as UAT will be conducted only by project lead. | L | M |
| RSK\_007 | Technical debt – lack/poor knowledge of the chosen technologies. | The project seeks to exploit technologies largely unknown to the project lead. This has potential to cause delays in the project artifact due to the need to learn in parallel. | S | M | Project lead has experience in the Python language and exposure to a number of other scripting languages including the likes of React Native, and JS. Whilst there will be a learning element, the project lead is not entering into this endeavour as a non-coder. | Mo | M |

## Results.

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## Discussion.

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## Conclusion.

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## Bibliography

# **Appendix 1**

Project Ghant Chart



