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| Student Reference Number: |



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| Module Code: PUSL3111 | Module Name: API Software Development | |
| Coursework Title: | | |
| Deadline Date: 11th May 2022 | | Member of staff responsible for coursework:  Mr.Rasika Hewawasam Ranaweerage |
| Programme: BSc (Honours) Software Engineering | | |
| Please note that University Academic Regulations are available under Rules and Regulations on the University website [www.plymouth.ac.uk/studenthandbook](http://www.plymouth.ac.uk/studenthandbook). | | |
| Group work: please list all names of all participants formally associated with this work and state whether the work was undertaken alone or as part of a team. Please note you may be required to identify individual responsibility for component parts.  ***We confirm that we have read and understood the Plymouth University regulations relating to Assessment Offences and that we are aware of the possible penalties for any breach of these regulations. We confirm that this is the independent work of the group.***  Signed on behalf of the group: | | |
| Individual assignment: ***I confirm that I have read and understood the Plymouth University regulations relating to Assessment Offences and that I am aware of the possible penalties for any breach of these regulations. I confirm that this is my own independent work.***  Signed : | | |
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\*Please delete as appropriateSci/ps/d:/students/cwkfrontcover/2013/14

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**1. INTRODUCTION**

**1.1 Acknowledgement**

This letter is to express our gratitude to Dr. Rasika Ranaweera, our professor in charge of the API Software Module [PUSL3111], for his direction and help in making this project a success and expanding our site to include additional digitalization topics.

**1.2 Abstract**

The API Software Development Module [PUSL3111] project includes two deliverables: a functional API Web Application, a Mobile Application, and a reading report.

• Module In charge: Dr. Rasika Ranaweera

• Team : Team 22

• Deadline: 11th of May 2022

**1.3 Introduction**

**2. PROJECT SCOPE**

**2.1**

**3. SYSTEM ARCHITECTURE**

**3.1 Context Diagram**

**3.2 Data Flow Diagram Level 0**

**3.3 Data Flow Diagram Level 01**

**3.4 Use Case Diagram**

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* POST /citizens
* PUT /citizens/:nid
* GET /citizens/:nid
  + PUT /citizens/:nid
  + GET /citizens/find(:qualifications)
  + DELETE /citizens/:nid
  + GET /citizens/:nid/contacts

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**5. TOOLS AND TECHNOLOGIES**

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**6.**

**6.1 Client Website Features**

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**7. INDIVIDUAL CONTRIBUTION**

**7.1 N.S.D.Alwis**

**7.2 G.M.D.D.Rathnayake**

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**7.3 S.O.Perera**

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**7.4. P.P.L.Dilhani**

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**7.5 J.A.Mujeeb**

**7.6 M.D.A.Medhavi**

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**8. APPENDIX**

**8.1 Controller Scripts and blade.php**

**8.2 Mobile App Main Classes**

**9. REFERENCES**