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| Module Code: PUSL3106 | Module Name: Design Patterns and Software Engineering | |
| Coursework Title: Pervasive Computing Coursework | | |
| Deadline Date: 14/05/2022 | | Member of staff responsible for coursework: Prof. Prasad Jayaweera |
| Programme: BSc (Hons) Plymouth 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.  J.A. Mujeeb – 10707284  G.M.D.D. Ratnayake – 10707351  S.O. Perera – 10707315  N. S. De Alwis – 10707160  M. D. A. Medhavi – 10707278  P. P. L. Dilhani – 10709402  ***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: P. P. L. Dilhani | | |
| 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: | | |
| Use of translation software: failure to declare that translation software or a similar writing aid has been used will be treated as an assessment offence.  I \*have used/not used translation software.  If used, please state name of software………………………………………………………………… | | |
| **Overall mark \_\_\_\_\_% Assessors Initials \_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_** | | |

\*Please delete as appropriateSci/ps/d:/students/cwkfrontcover/2013/14

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| Name | Student ID | Contribution |
| J.A. Mujeeb | 10707284 | 16.7% |
| G.M.D.D. Ratnayake | 10707351 | 16.7% |
| S.O. Perera | 10707315 | 16.7% |
| N. S. De Alwis | 10707160 | 16.7% |
| M. D. A. Medhavi | 10707278 | 16.7% |
| P. P. L. Dilhani | 10709402 | 16.7% |

# Acknowledgement

We would like to proffer our deepest appreciation towards Professor Prasad Jayaweera, our module lecturer, to have received his continual mentorship, guidance and support.

The overall accomplishment of this project demanded a significant amount of guidance from many individuals. As a team, we are extremely fortunate to have had this from start to finish.

Finally, we wouldn’t have been able to successfully complete this assignment without the hard work and assistance of all the team colleagues itself. We all enjoyed working with each other.

1. **Abstract**

With the use of the knowledge that we’ve gathered from pursuing this module, we intend to implement a well-defined plan to assuage the essence of software development by applying Software Engineering practices in real-world system.

Module Name: Design Patterns and Software Engineering

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Course work Title:

Group Title:

Deadline: 14th May 2022

Word Count:

1. **Introduction**

E-catering systems are growing more and more popular by the day, replacing rebarbative paper-based systems.

Thence, most caterers and restaurants have accustomed to the utilization of computerized restaurant systems. This is mainly due to the exponential advantages that accompany it.

This project proposes a design for an Internet meal catering enterprise called “Food in Motion”. This system handles online food ordering, payment confirmation, and delivering. Furthermore, Human-Computer Interaction (HCI) are also improvised.

The project demonstrated SE methodologies from the initial requirement gathering phase to the software testing and validation phase.

* Use this to order food online
* Once you order online you make a down payment to confirm the order
* The food is prepared and is delivered by a courier. The remaining payment will be paid to the courier

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**Objectives**

This project will revolve around the analyzation and application of designing a pragmatical e-catering system called “Food in Motion”.

The system will aid customers in ordering food online, making down payments and residential delivery.