**EE4717/IM4717 Web Application Design - Project Report**

**Design project group number:** F37-DG12

**Team members:** *Justin Tan Koon Han* (EE4717)*, Ronn Chan Jia Jun* (EE4717)

**Project Title:** *Theme 1*

**Summary of Project:**

Ronn & Justin’s Pizza Place is a physical pizza restaurant. The proposed website will give details and information about the shop, including ‘about us’ information, recommendation, contact us and an ordering system.

After a successful order placement, an order number will be generated for delivery status checking. Together on the website, and via email; the user will be updated of the delivery status.

Loading of pages will be minimized for a seamless user experience. This will be performed by having many components on one page and introducing ID Href navigation with scrolling transition.

1. **Application Requirements and Specifications**
2. **Functional Requirements and Specifications**
3. **Design of the web application**

Site Map

Story Board

Wireframe

Database Web application testing plan

1. **Implementation:**

Coding of the web page template

Coding of the pages Coding of the each function

1. **Testing of web application 6. Conclusion Appendices:**

Appendix : Source Codes

Contribution to the project by each team member

# 1. Application Requirements and Specifications

Ronn & Justin’s Pizza Place website will be about a Pizzeria with an integrated online ordering service.

1. The webpage has to display information about pizzeria without being too overwhelming.
2. The ordering service must be able to capture the customer order including custom orders.
3. The end user must be notified of order updates. By email and order tracking on the web portal.
4. A contact us form for users to send a message to the shop owner.

# 2. Functional Requirements and Specifications

1. Soft fonts with good contrast to the background will be used to improved readability, this is achieved by choosing the appropriate color, font-family and font-weight.   
     
   Line-height for spacing between lines is reduce the cluttering effect of stacked texts.
2. Forms with method POST will be used to send the user’s order detail to the database, which is handled by PHP. Javascript will handle the relevance of the order details and return an error message when necessary.  
     
    Custom orders will be handled by providing checkbox type input, that when unticked represents as unwanted, for example ‘Tomato ✔ ‘.  
     
   Upon check-out of the customer’s order, the order details and an order number will be generated.
3. By email,  
   If there is an order update, an email will be sent to the user’s email about the update.  
     
    By tracking ID,  
   With the order ID generated upon successful order placement, the user can input the ID into the tracking system which will retrieve the order details with method GET, from the database.
4. The contact form will be a form POST method handled by PHP to be sent as an email to the client.

# 3. Design of the web application

Describe your overall structure of the web sites and the task workflows with reference to section 2.

Site Map

Story Board

Design your page layouts for all the pages Wireframe

Design of the database tables and explain the designs Database

List the tests to be done and describe how the tests will be carried out.

Web application testing plan

1. **Implementation:**

Describe how the pages are coded. Coding of the web page template

Coding of the pages

Coding of the each function

1. **Testing of web application**

Describe the tests performed and the results.

# 6. Conclusion

Summarize what has been achieved and what has been deferred in the current stage.

**Appendices:**

Appendix : Source Codes Contribution to the project by each team member shown in a table.