

# ICT 3103/ 3203 - Deliverable 1 (Project Proposal)

## Team Members and Lab Group Number

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## Team Name

Pastel Soul

## Project Title

Secure Mooncake E-commerce for Pastel De Luna

## Project Description

Pastel De Luna is an 831 year old mooncake confectionery business located in the heart of Chinatown. For the past few years, we have seen the impact of COVID-19, which caused physical fairs and our customers to decrease tremendously during the festive season. This affects our businesses' profitability and revenue. Furthermore, physical festive fairs are only held once a year, which makes it difficult to reach out to those who crave our mooncakes after the festival. Hence, to ensure our business sustainability, Pastel De Luna has decided to jump on the digital bandwagon and market our mooncakes online with the aim of bringing the mooncake festive season to life all year long x24/7! Anywhere, Anytime!

Our service offerings include (subject to tentative changes)

1. Choosing your mooncakes
2. Customizing your mooncakes
3. Mooncakes spin with mystery flavors \*\*
4. Sending mooncakes as a gift to your family and friends
5. All mooncakes are sold at 1, 3, or 8 pcs
6. Choosing payment options such as e-wallet, credit/debit card
7. Receiving mooncakes via delivery or pick-up method
8. Applying unique promotion codes to you

\*\* Food allergies have to be declared on the customer profile before one can proceed

Establishing a secure and reliable online shopping experience is our primary focus at Pastel De Luna. At Pastel De Luna, we ensure sensitive information such as payment transactions, customers' addresses, and health declarations is protected and secured on our website so as to maintain our customer satisfaction and loyalty.

## Programming languages and packages to be used

- Programming language: Python, CSS, SQL
- Packages: Pip, Requests, Pillow, Pytest, Bootstrap
- Framework: Django (more default security enable)
- Database: MySQL

**\*The group declares that the web application to be developed is not an adaptation of existing codes\***