



SOFTWARE ENGINEERING (CO3001)

Task 3 Report

SYSTEM ARCHITECTURE

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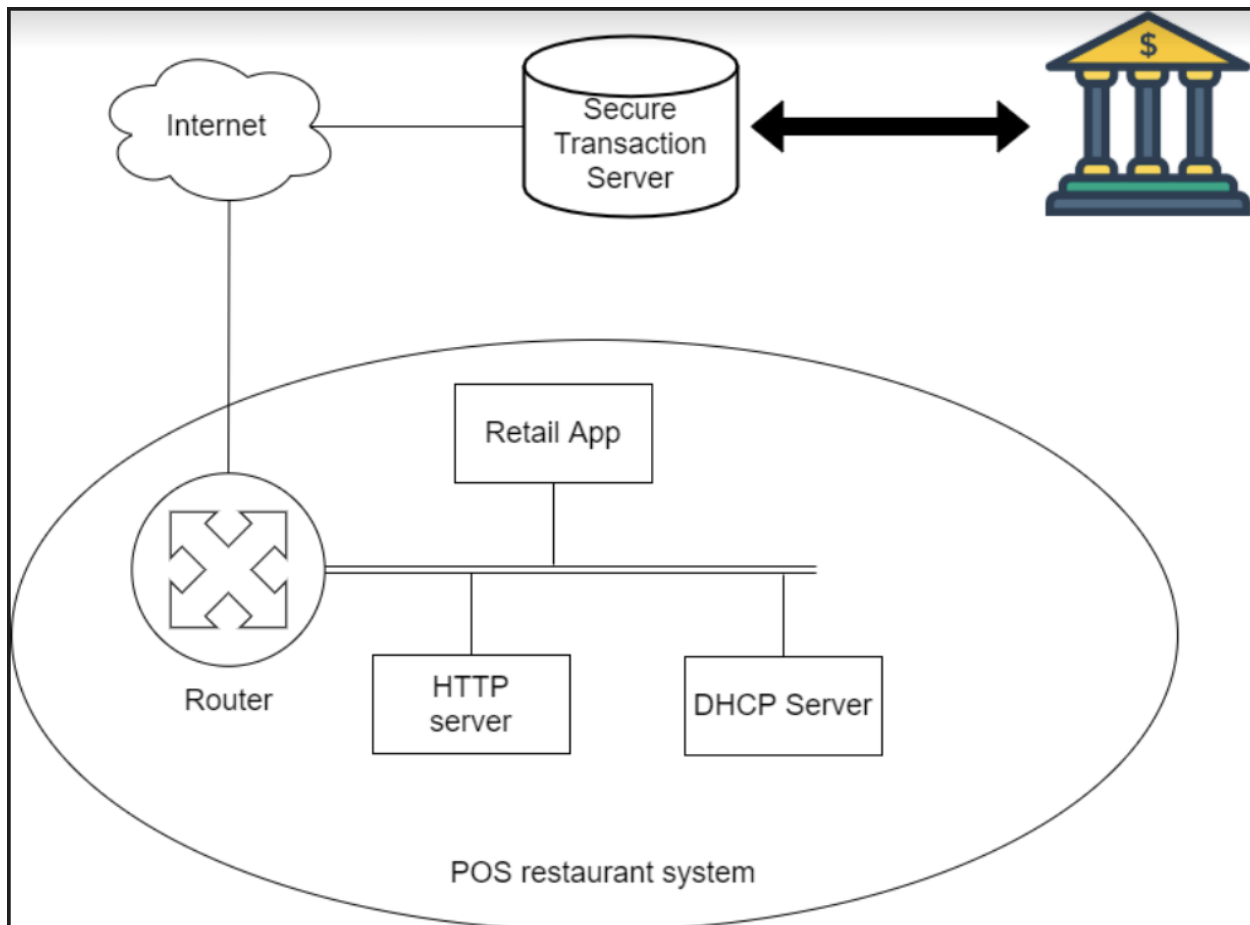
Task 3.1. Describe an architectural approach you will use to implement the desired system

1. Architectural pattern:

For this POS system, our team decided to choose Web-based MVC pattern for the architecture. There are two reasons for that :

- Firstly, POS system requires multiple ways to view and interact with the data: customers' view, manager's view, chiefs' view and clerks' view.
- Secondly, the POS system has a non-functional requirement is that it should be extendable to use in multiple restaurants in the future, which means there may be some other function that may need later.

2. System architecture with major components:



Task 3.2. Draw an implementation diagram for Major (not all) functional requirements

Our implementation diagram:

