

Project 1: API Development and Testing

University of British Columbia Okanagan
COSC 499 – Summer 2022

Wasi-ul-hassan Raza

Calvin Qu

Po-chia Wei

Austin Wong

2022. 06. 07



CONTENTS

01

Project and Client Introduction

02

Key Requirements and USE Cases

03

Login Authentication

04

Payment Transactions

05

Tech Stack and Testing Plans

06

Questions?



1

Project and Client Introduction

- Service purchasing platform
- Small startup
- los beta with only front end developed

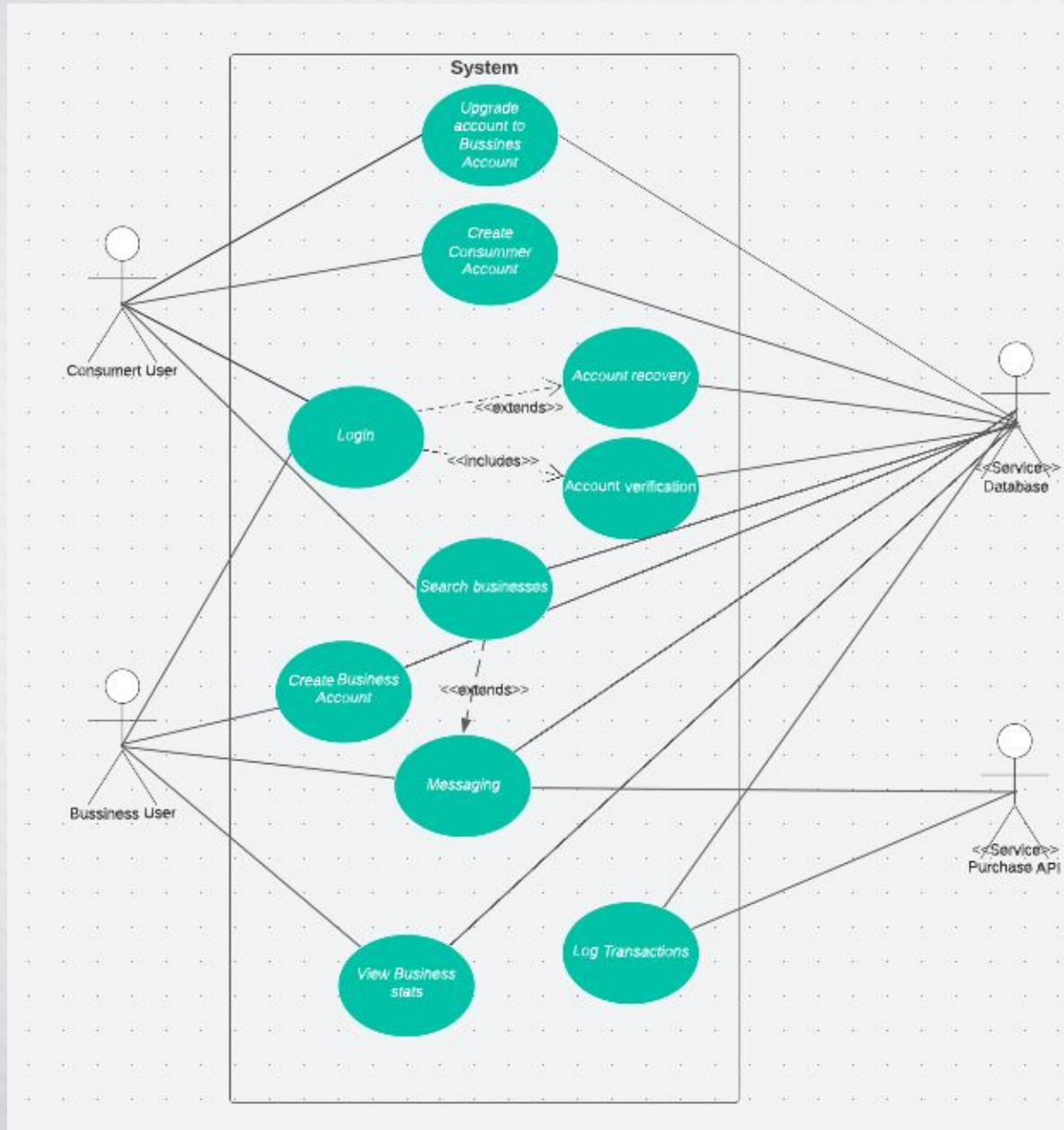


2

Key Requirements and USE Cases

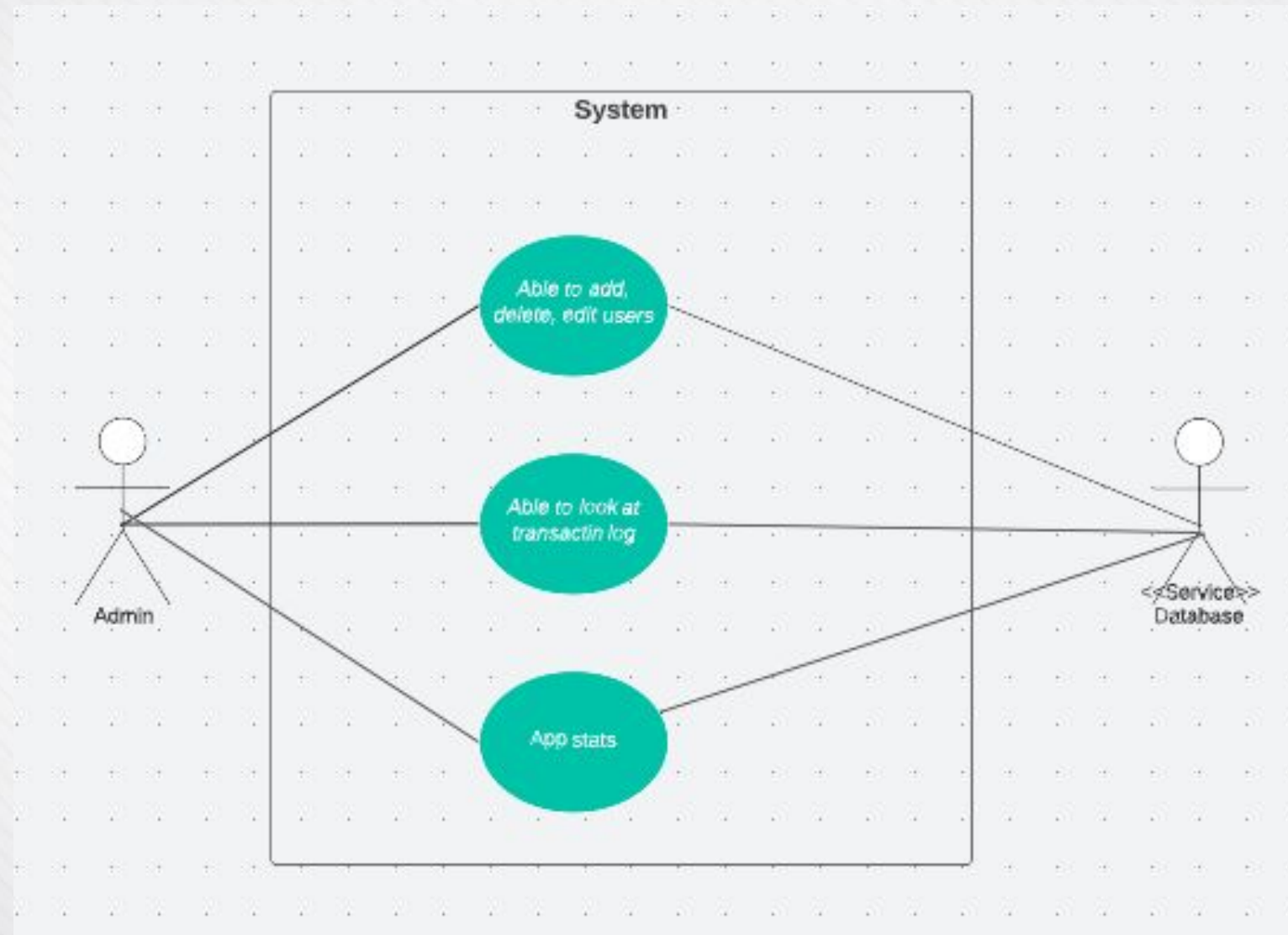
- User side USE Case Diagram
- Admin side USE Case Diagram
- ER Diagram

User side USE Case Diagram

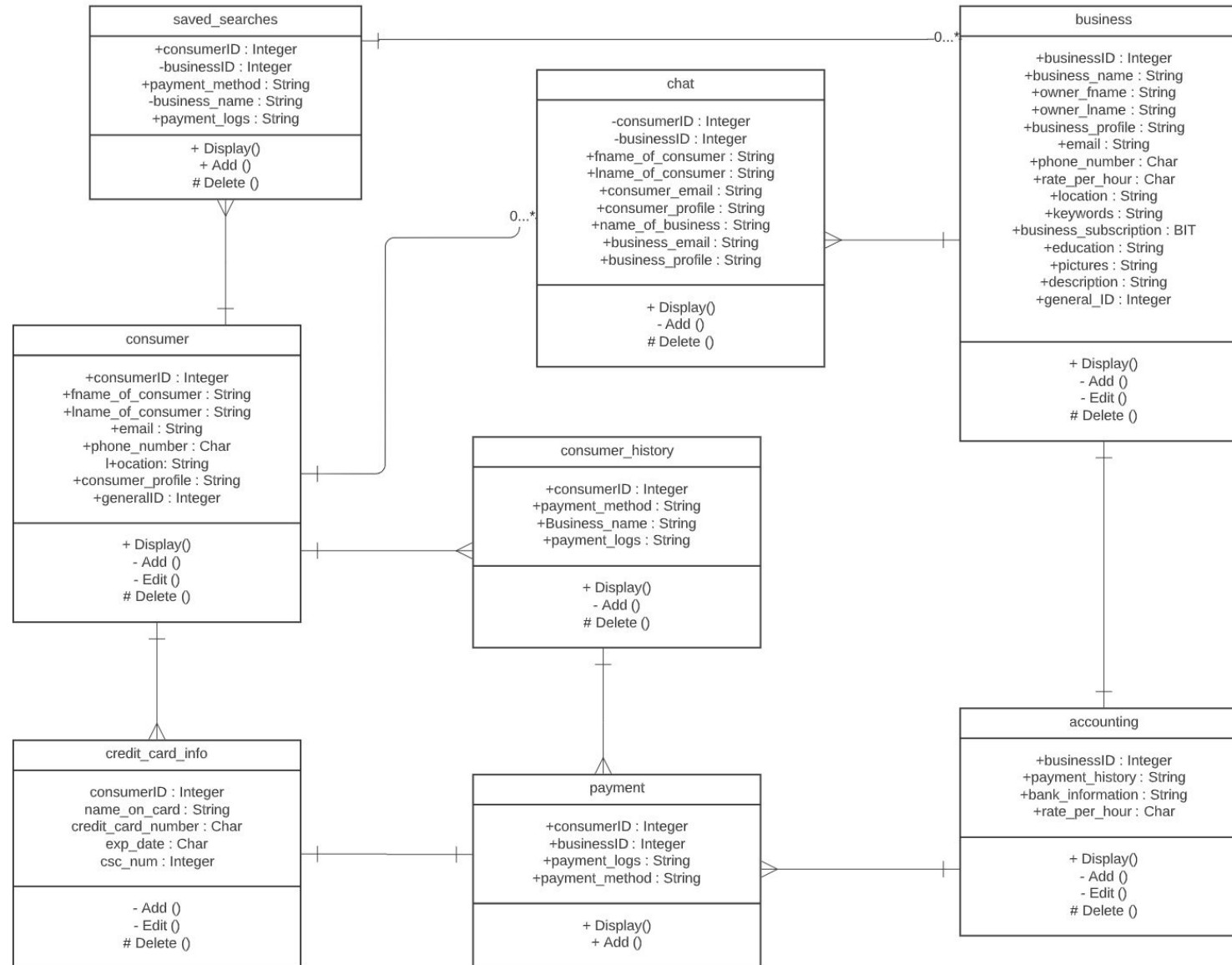


- Two types of users:
 - Consumer
 - Business

Admin side USE Case Diagram



ER Diagram

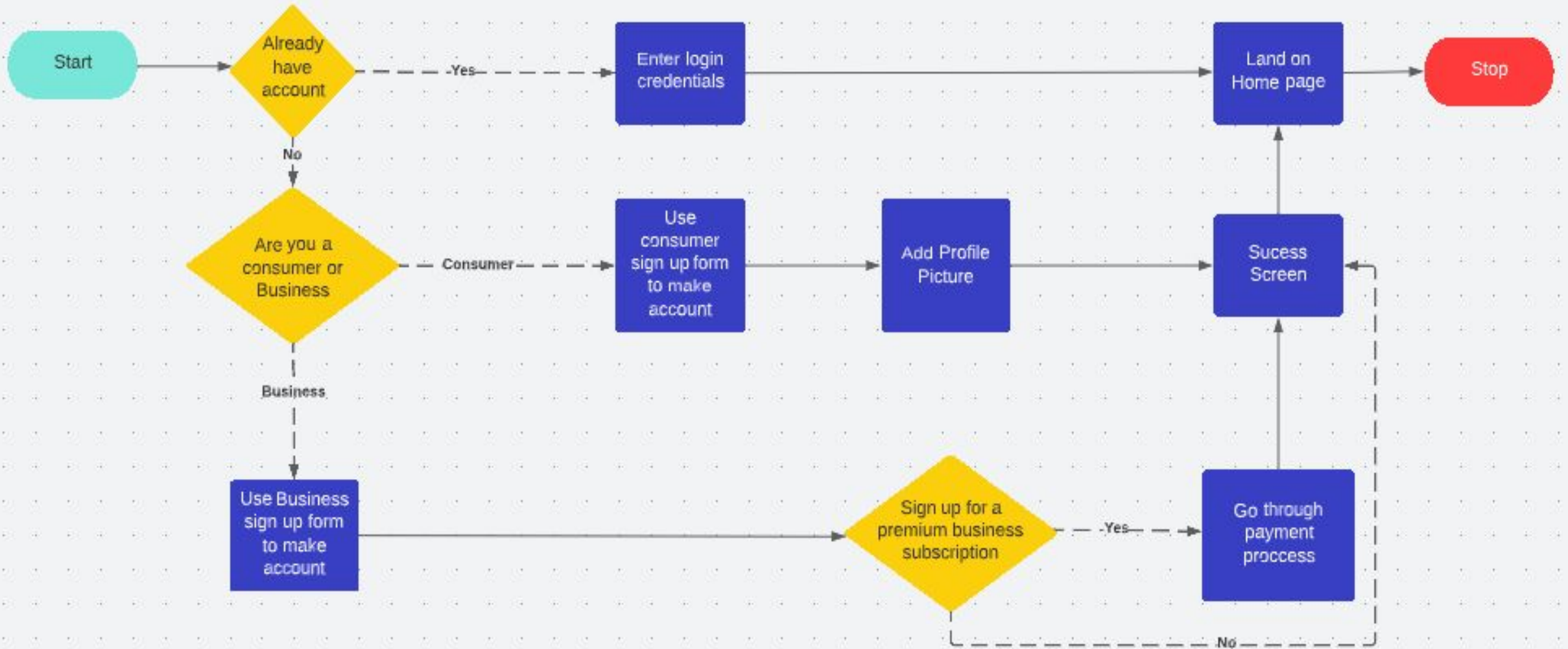




3

Login Authentication

Login Authentication

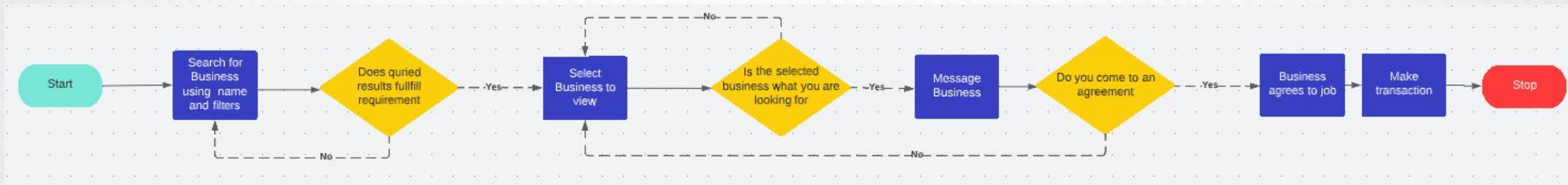




4

Payment Transactions

Payment Transactions



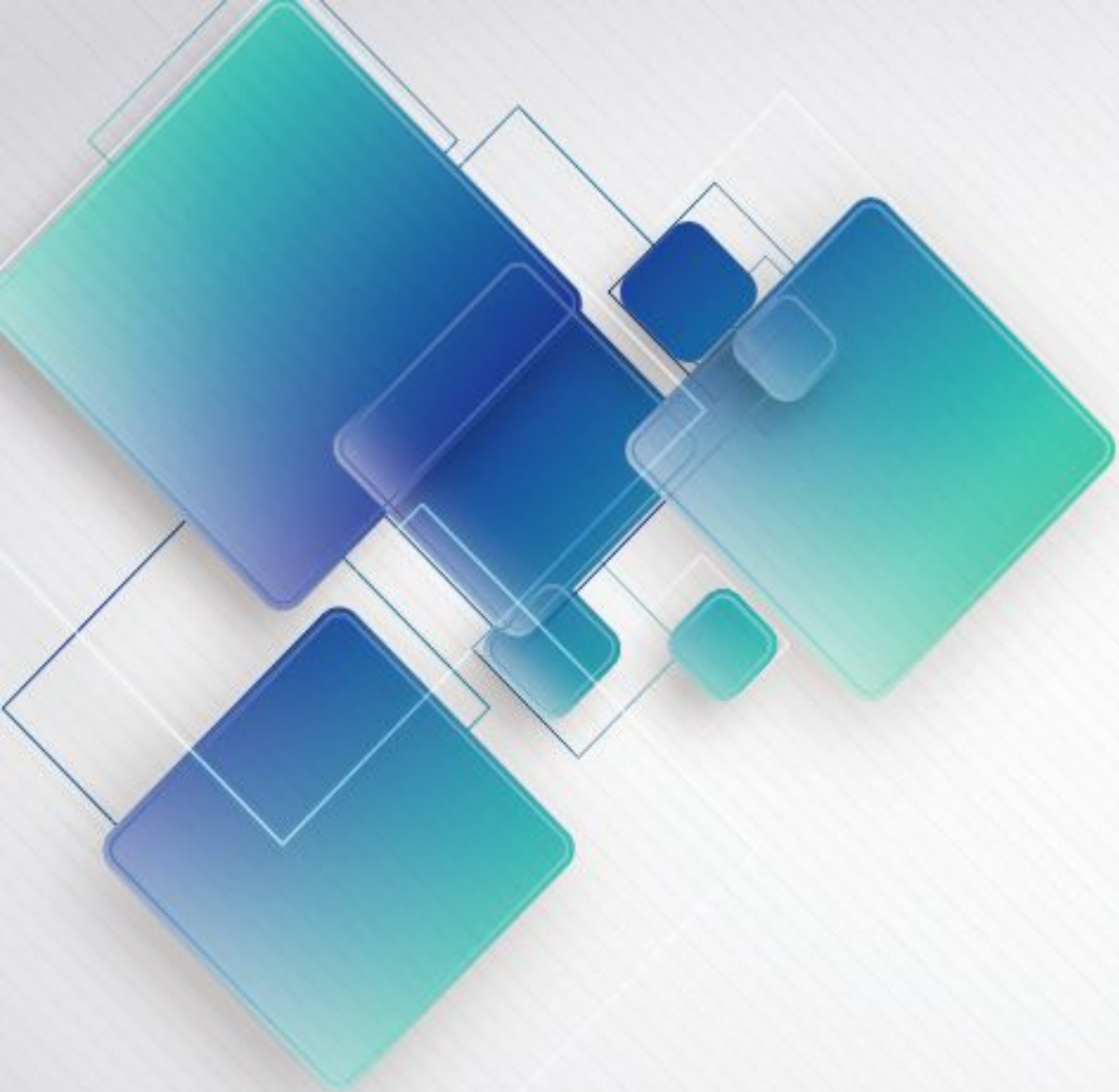


5

Tech Stack and Testing Plans

1. MySQL: Database Development
2. Node.js: API development
3. Express: Node.js library primarily used to create login authentication system
4. Stripe: Purchasing API
5. Mocha: Unit Tests

Develop >> Unit Test >> Code review >> integration test



Any Questions?