

BỘ THÔNG TIN VÀ TRUYỀN THÔNG
HỌC VIỆN CÔNG NGHỆ BƯU CHÍNH VIỄN THÔNG



First Report

Foundation Internship

Project Title: Smart Shop AI Assistant

Instructor: Kim Ngoc Bach
Student Name : Le Tran Quoc Bao
Student ID : B22DCVT050
Lớp : E22CQCN05-B

Hà Nội - 2024

INTERNSHIP BASE REPORT - WEEK 1

I. Project Introduction

The internship project focuses on developing a website for selling authentic Apple products, including iPhone, MacBook, Mac Mini, and Mac Studio. The website offers features such as online payment support, integration of a chatbot for customer consultation, and order confirmation via email, aiming to enhance user experience and optimize the purchasing process.

II. Objectives and Key Features

1. Product Pages

- Display product lists categorized by type.
- Provide filters by price and product category.
- Detailed product pages with comprehensive information.

2. Cart and Payment

- Add/remove products to/from the cart.
- Support payment via bank integration.
- Send order confirmation via email.

3. Chatbot Consultation

- Assist customers in selecting suitable products.
- Respond to inquiries about features and pricing.

4. Order Management

- Track order status.
- Manage orders from the admin side.

III. Technologies Used

- **Frontend:** CSS, Bootstrap.
- **Backend:** PHP.
- **Database:** MySQL.

- **Payment:** Integrated bank API.
- **Chatbot:** AI NLP.
- **Email Confirmation:** SMTP (Nodemailer).

IV. Development Plan

1. Phase 1: Analysis and Interface Design

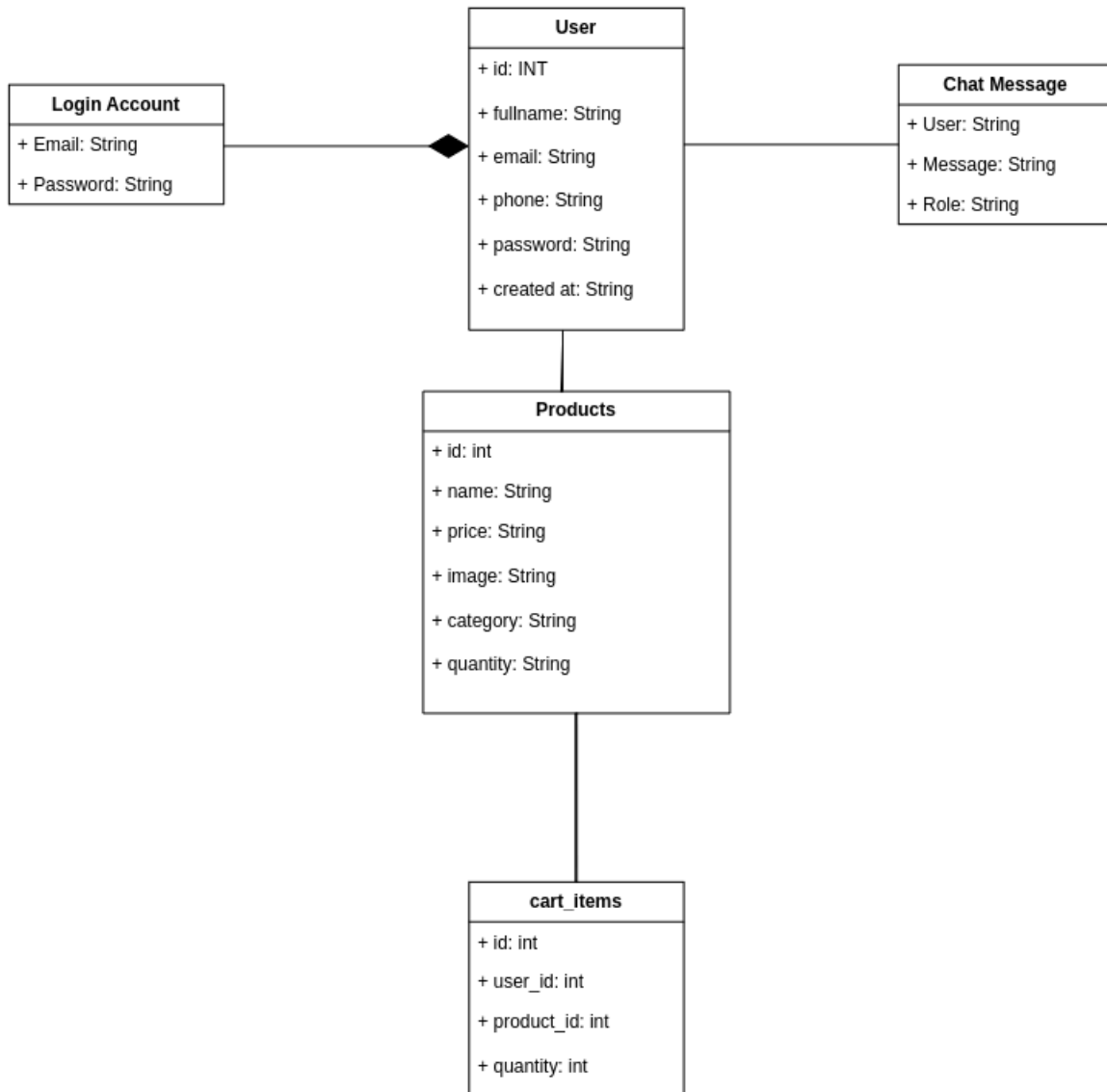
- Define detailed functionalities.
- Design database schema.
- Create wireframes and UI/UX designs.
- Build the user interface.

2. Phase 2: Backend Development, Testing, and Deployment

- Develop APIs and connect to MySQL.
- Integrate payment and chatbot systems.
- Connect APIs.
- Test features and ensure security.
- Deploy to the server.

V. Progress Report for Week 1

- Class Diagram:



During the first week of the internship, I focused on **Phase 1: Analysis and Interface Design**. Specifically:

- **User Interface Development (Frontend)**: I have nearly completed the website's interface, including key pages such as the product listing page, product detail page, and basic interface components (header, footer, cart). I utilized CSS and Bootstrap to ensure a user-friendly and responsive design across various devices.

- **Login and Registration Handling:** I have fully implemented the login and registration functionalities for users, including:
 - +) Building login/registration forms with essential fields (email, password).
 - +) Connecting to the MySQL database to store and authenticate user information.
 - +) Handling errors (e.g., existing email, mismatched passwords) and providing user notifications.