Mid-Term Report

: Shopping Web for Mobile Parts

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1. Brief Outline

This mid-term report outlines the progress including features completed and in progress, milestone, and prototype including source code and repository in GitHub.

2. Project Plan

Until the mid-term stage, layout, display, and functions are implemented in major pages as follows.

- Main page
- Category page
- Register page
- Sign-in page
- Product details page
- Order processing page for checkout and cart

2.1. Milestones

The project is undertaken from the proposal documentation on 01/March/2021 for 12 weeks with the final presentation. The milestone table is shown in Table 2.1.

Table 2.1
Milestones with work breakdown structure

Stage	Key person	W1	W2	W3	W4	W5	W6	W7	W8
Proposal Documentation	All								
Web design	All								
Web coding	Front-End (Jin)								
Database coding	Back-End (Bo-Han)								
Mid-term Report	All								
Testing	All								
Fix and Update	All								
Presentation	All								

2.2. Progress

Table.2.2. and 2.3 describe the details on functions completed and in progress in both front-end and back-end parts.

Table 2.2
Progress of web coding

Page	Features	Progress (%)
Main page	Completed: - Layout - Navigation bar - Search form - Sliding banner - Thumbnails for product view In progress: - Test with database and update if needed	90
Register & sign-in page	Completed: - Layout - Input form In progress: - Test with database and update if needed	90
Category page	Completed: - Layout - Category section - Breadcrumbs In progress: - Filter function - Test with database and update if needed	80
Order processing page	Completed: - Layout - Glyphicons In progress: - Test with database and update if needed	90
Product detail page	Completed: - Layout - Options (size, colour, quality, etc) - Tab bar for descriptions In progress: - Multi image display and zoom function - Test with database and update if needed	80

Table 2.3
Progress of database coding

Page	Features	Progress (%)
Main page	Completed: - Logout function In progress: - jump session error (PHP extension must be changed to the server, otherwise the web page may not be displayed)	50
Register & sign-in page	Completed: - Register page (update SQL) - Sign-in page (select and get user) - DB data setting In progress: - Register > Rule validation - Sign-in > Data security verification	60
Category page	Completed: - DB data setting In progress: - PHP & DB connection	50
Order processing page	Completed: - DB data setting In progress: - Order function	50
Product detail page	Completed: - DB data setting In progress: - PHP & DB connection function (not use web)	50

3. Prototype

The prototype display is separately attached to the Appendix, and the source code can be connected and downloaded through the above GitHub address.

4. Project Management

4.1. Development Environment

The tools used for development are classified into two groups, web and database coding, and introduced in Table 4.1 below.

Table 4.1
Development Environment Tools for Front-End

Role	Tool
Editor (HTML, CSS, JavaScript)	Visual Studio Code
Library	Bootstrap 3.3.7
	jQuery 3.2.1
	Font Awesome 4.7.0 *used for checkout page once

Table 4.2
Development Environment Tools for Back-End

Role	Tool
Editor (HTML, CSS, JavaScript)	Bracket, Eclipse, Xcode
For server	PHP 7.4
	AJAX (will switch to use)
	XAMPP, Free external DB server (waiting for verification)

4.2. Repository

The project data and records are managed through GitHub. The project file structure in GitHub is as follows.

- README.md – describes all history of updates
- Web folder – includes all web and database source code files

- Report folder – includes report and presentation files

* GitHub repository address for the project – https://github.com/Jake-Jin-AU/ShoppingWeb-MobileParts

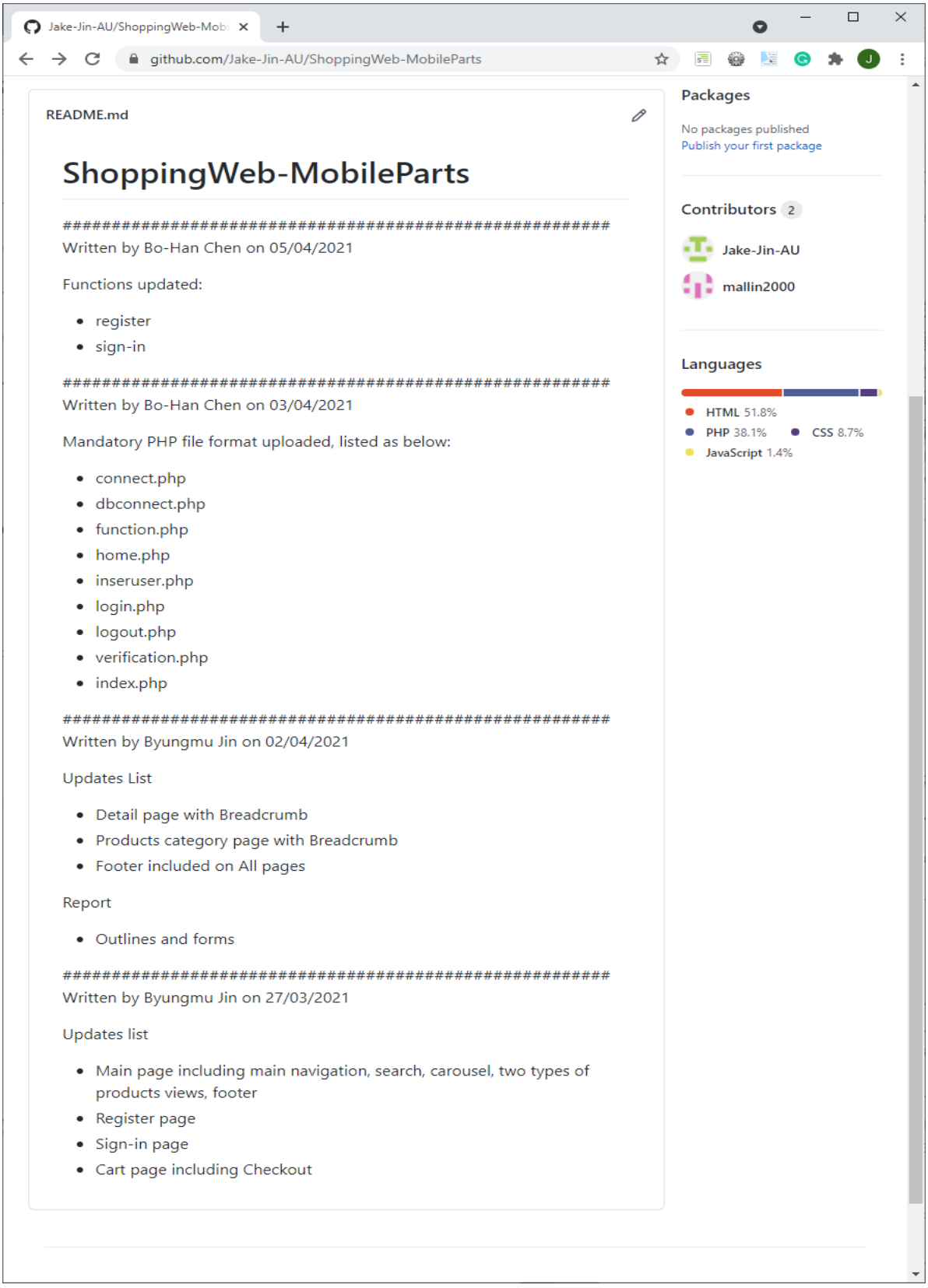

Figure 4.1. Screenshot of README.md file in GitHub

4.3. Meeting

Tasks and meetings were mainly conducted online, and a total of two face-to-face meetings were held for collaboration of the project.

Table 4.3
Face-to-Face Meetings

Topic	Place	Date
Project Proposal Documentation - Scope - Market analysis - Web design - Project Plan	Bo-Han's house	3/Mar/2021
Web and database coding	Jin's house	27/Mar/2021

Appendix

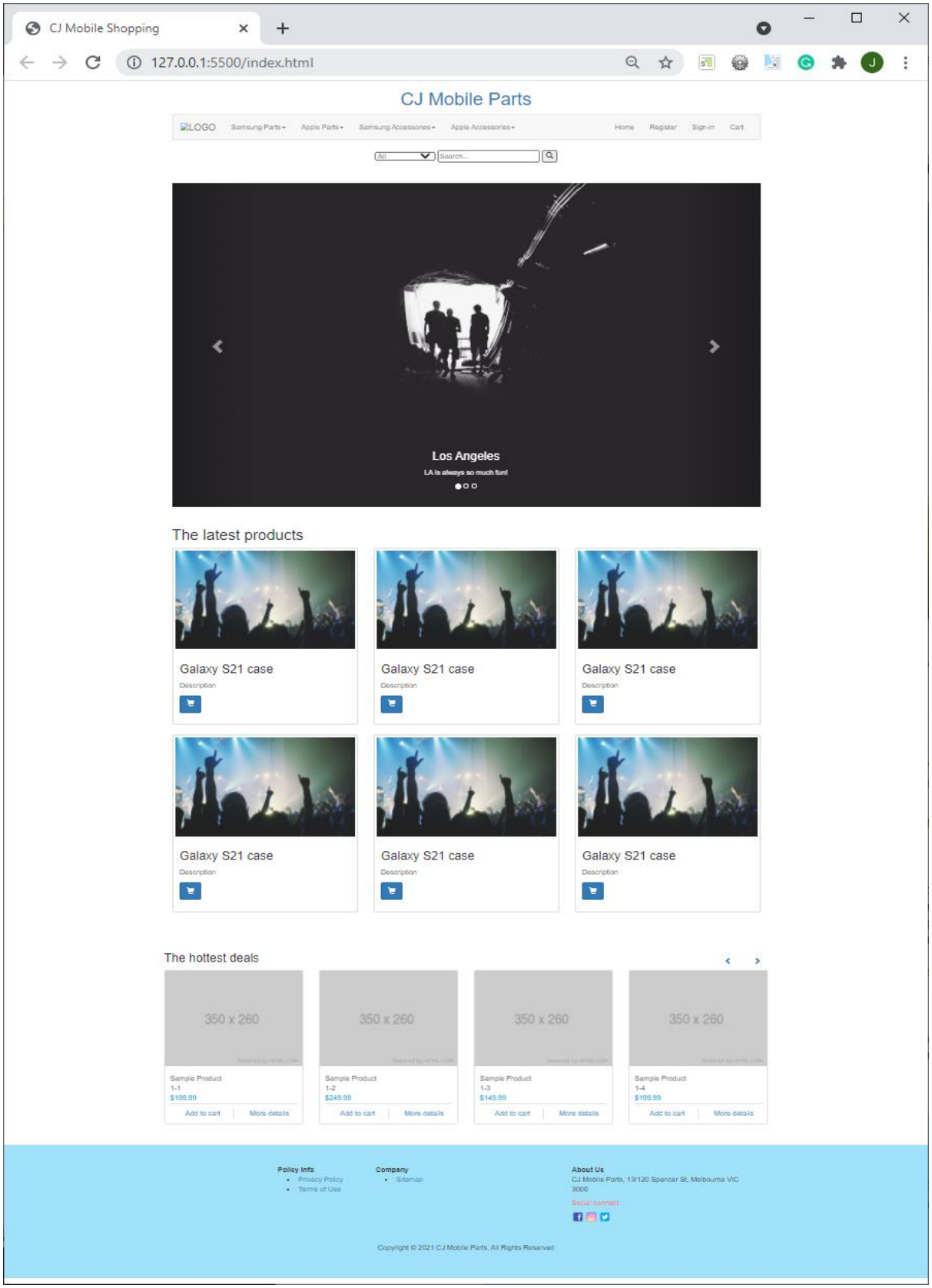

Figure A.1. Main page

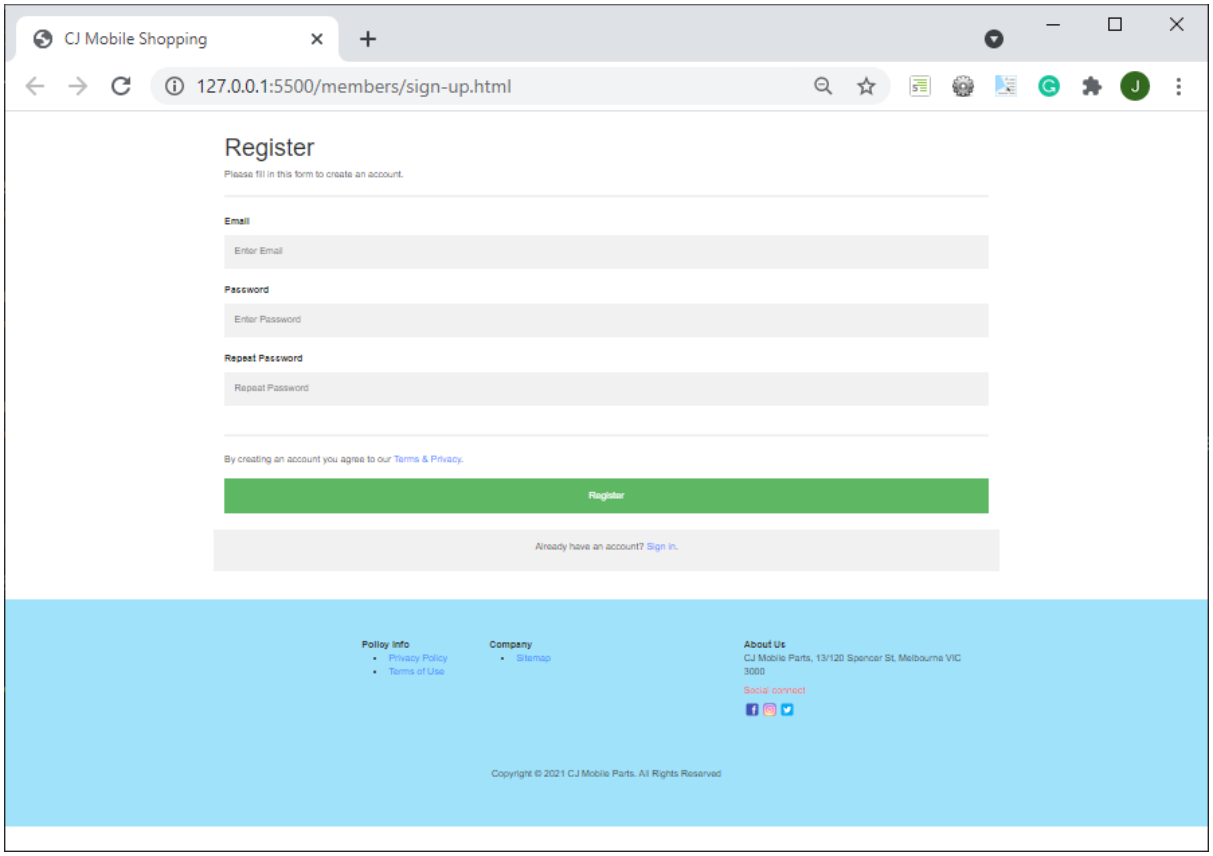

Figure A.2. Register page

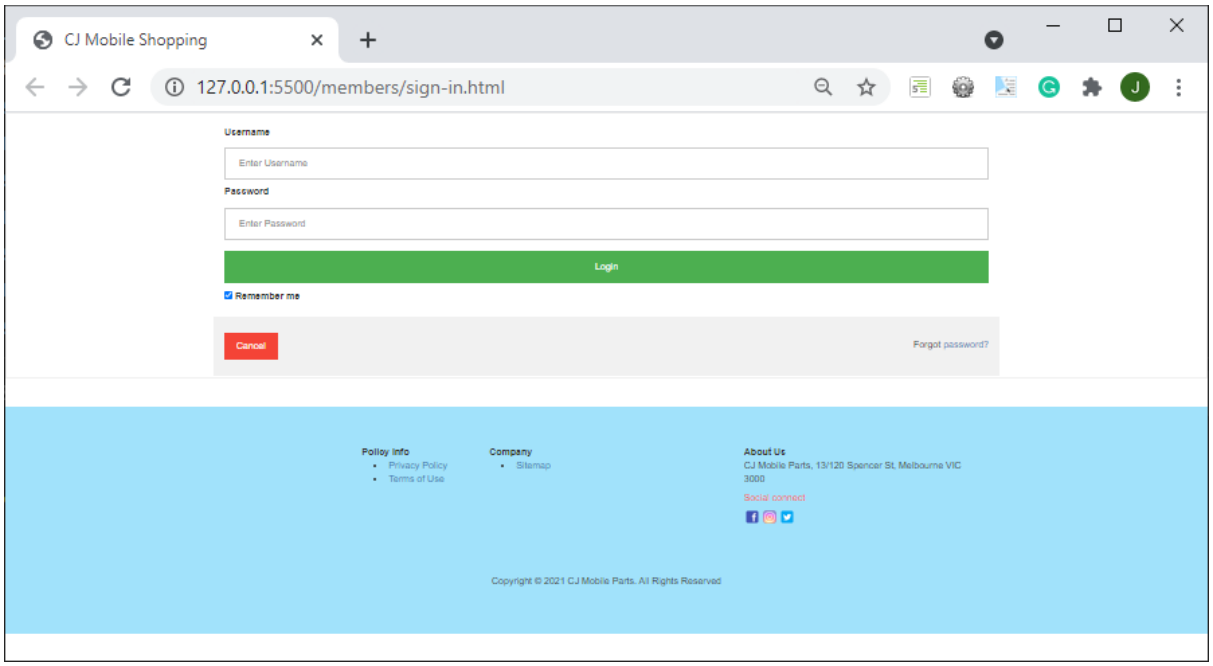

Figure A.3. Sign-in page

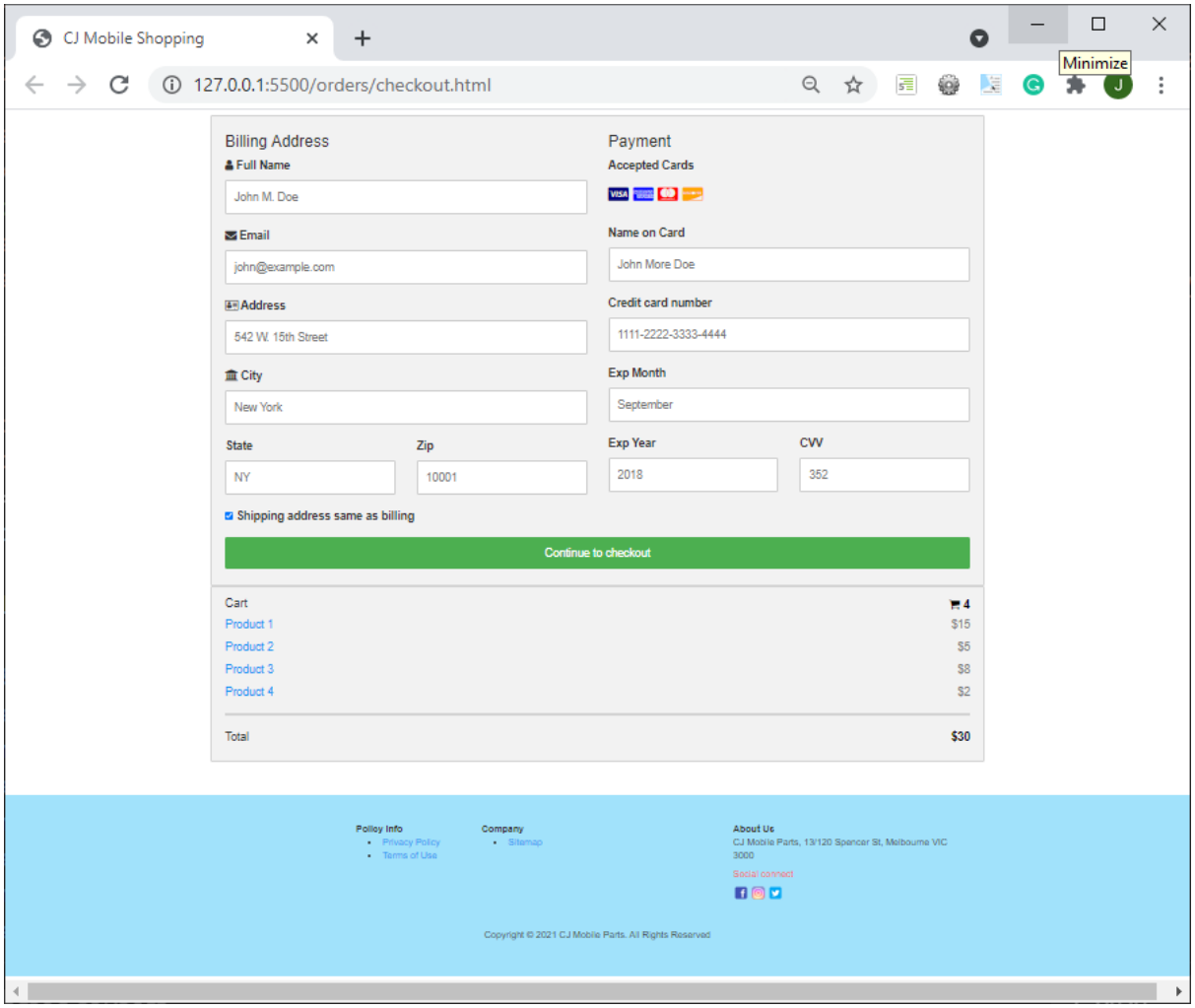

Figure A.4. Order processing page

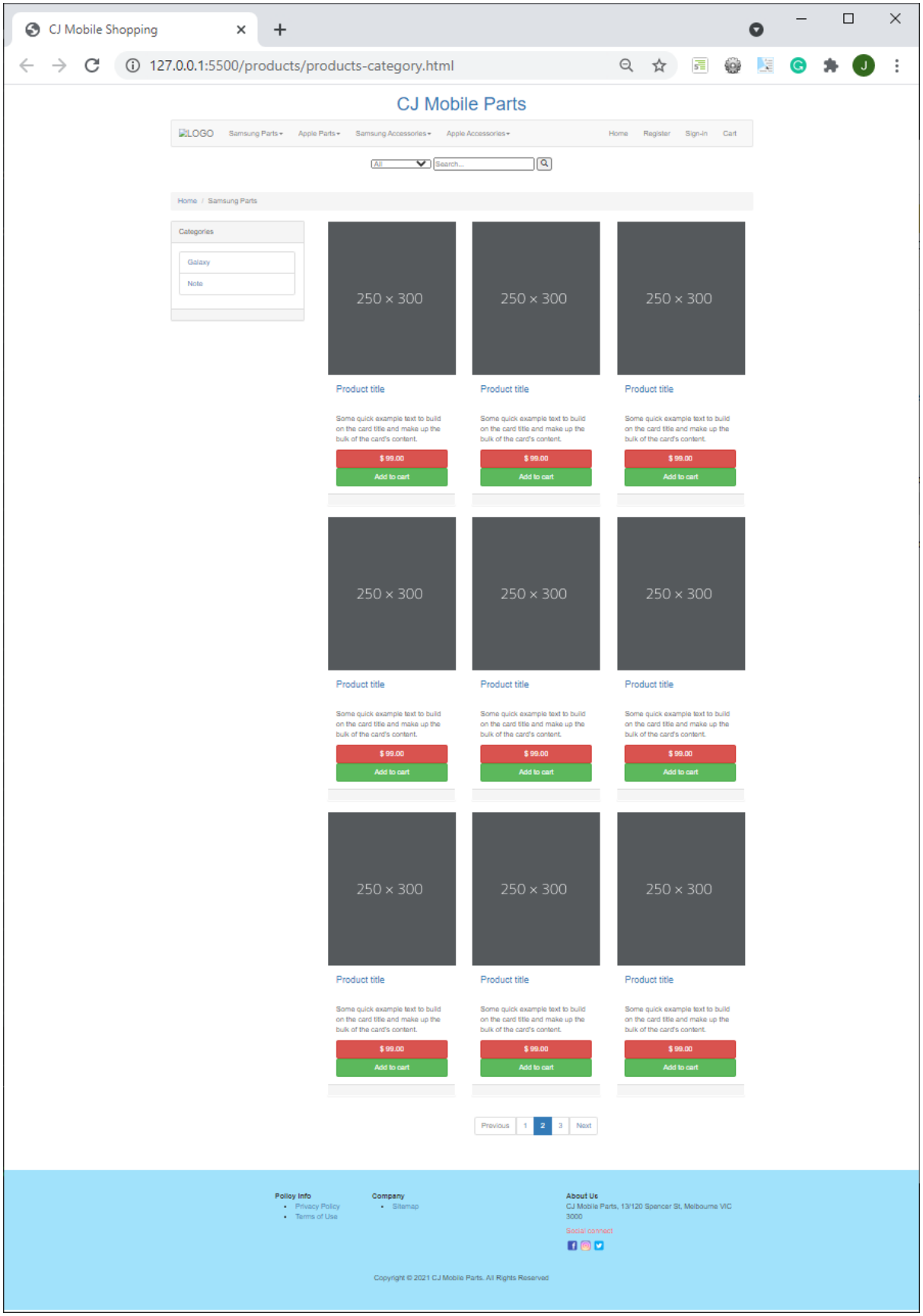

Figure A.5. Product category page

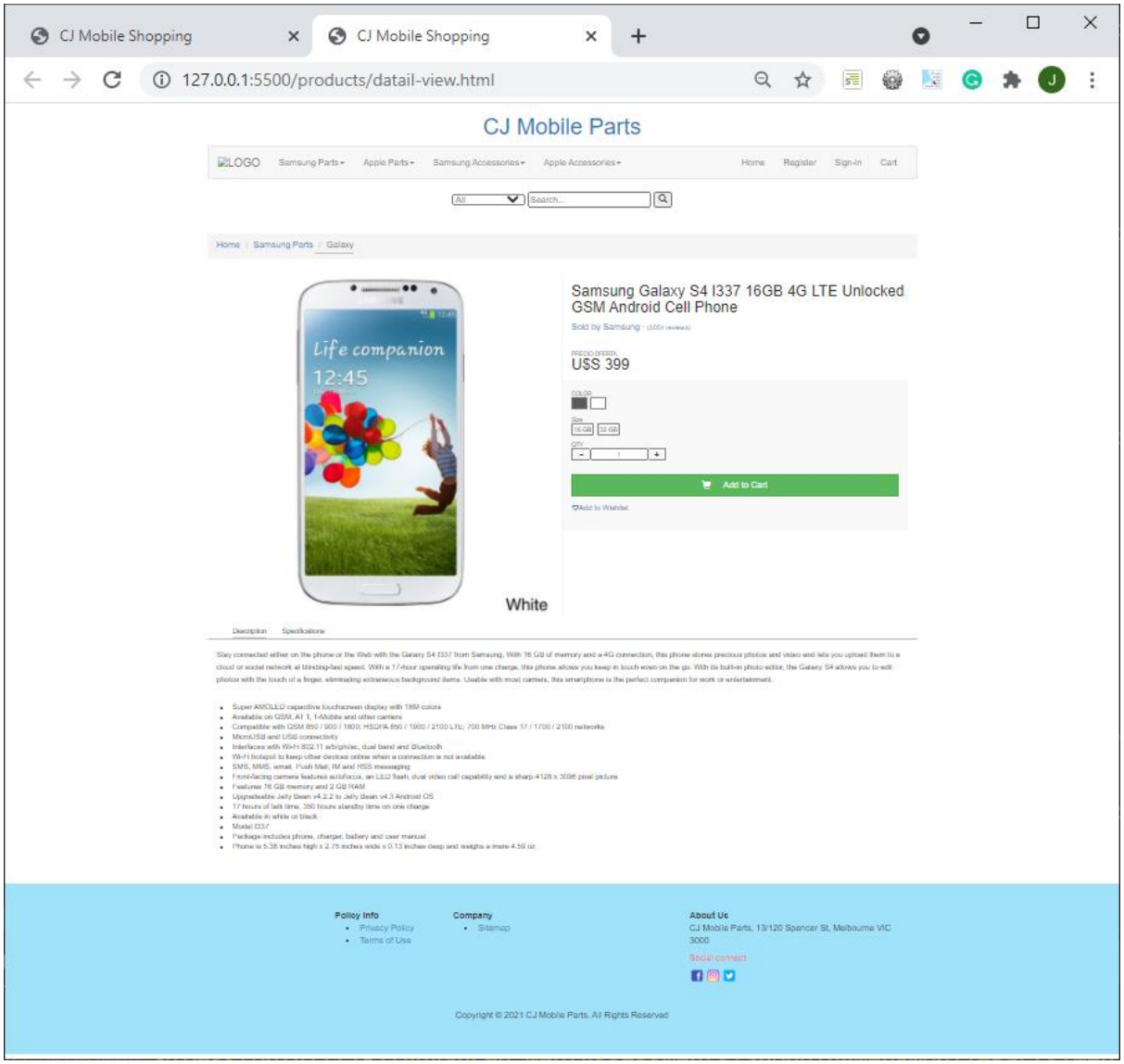

Figure A.6. Product detail page