

CMPUT 291 – Fall 2025

Marking Rubric for Mini-Project 1

[84 marks total] Demo Session

a) Login Screen [? marks]

- Sign up as a new customer.
 - Sign in with a valid user ID and password (customer).
 - Sign in with a valid user ID and password (salesperson).
 - Attempt to sign in with an invalid user ID or password (proper handling expected).
-

b) Customer Functionality [? marks]

Search for Products

- Search using one keyword.
- Search using multiple keywords.
- All searches are logged as specified.
- Matching products are correctly displayed.
- Results with more than 5 products are paginated.
- Selecting a product shows detailed information.
- Add product to cart (actions recorded in `search` and `viewedProduct` tables).

Cart Management and Checkout

- View the cart contents.
- Update or remove products from the cart.
- Proceed to checkout.
- A new order is created and populated as specified.
- User is prompted to confirm the order.
- Upon confirmation, order and orderlines are recorded correctly.

Viewing Past Orders

- View all past orders.
- Orders displayed in reverse chronological order.
- Each order summary includes order number, date, shipping address, and total.

- Pagination (**next** / **prev**) supports navigation beyond 5 orders.
 - Selecting an order shows its detailed view as specified.
-

c) Salesperson Functionality [**? marks**]

Product Management

- Retrieve product details using product ID.
- Update product price and/or stock count.

Reports

- Generate a **weekly sales report** as per specifications.
 - View the **top three best-selling products** (by distinct orders).
 - View the **top three most-viewed products**.
-

d) String Handling and SQL Injection Protection [**? marks**]

- All string matches are **case-insensitive** (except passwords).
 - Input is **properly sanitized** to prevent SQL injection attacks.
 - Queries are **parameterized or validated** according to the project specification.
-

e) Logout Functionality [**? marks**]

- User can successfully log out.
 - Session or state is cleared as required.
-

[12 marks total] Report

- **(a)** Overview of the system with a concise user guide.
 - **(b)** Detailed design of the software (architecture, modules, schema, etc.).
 - **(c)** Testing strategy and examples of test cases.
 - **(d)** Group work strategy (see below).
-

[4 marks total] Group Work Strategy

- Clear project breakdown between partners.
 - Time allocation and task responsibilities documented.
 - Progress for each task recorded.
 - Coordination method (e.g., version control, meetings) described.
-

Testing and Demo Process

The demo will be conducted **using only the submitted source code** — no external edits or additions are allowed except under the defined penalty scheme.

- Your project must compile and run **under TA accounts on lab machines** using our database.
- You must include all files necessary to compile and execute your code.

Edit Penalty Rules

- 1–10 character edits → **10% deduction**
- 11–20 character edits → **20% deduction**
- 20 character edits → **demo disqualified (0 marks on demo)**
- Edits are **accumulative** across files (adds + deletes + replacements).

Before the Demo

- Our **test data and test cases** will be published after the due date.
- You can self-test and identify issues before your demo.

At Demo Time, You May Choose:

- **(a)** Run your code *as is* → graded strictly by our marking scheme.
- **(b)** Request minor edits (within limits) → penalty applied, 5 min max.
- **(c)** Withdraw from demo → project visually assessed (0–15% mark range).

Once your demo begins, **no further changes are allowed**.