

## Assignment 2: Marking Scheme

### 1. Website logo and Homepage [1 mark]

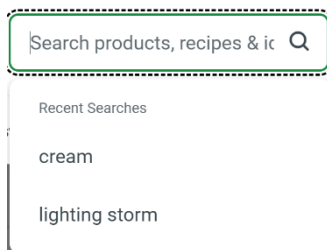
- The logo should appear on all pages of the website. [0.5 mark]
- The homepage should show something or non-empty. [0.5 mark]

### 2. Search box [7 marks]

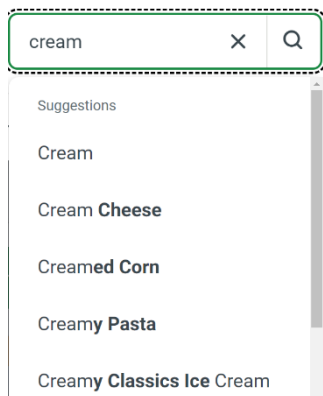
- Search box should appear on all pages except the reservation and order confirmation pages. [0.5 mark]
- The search box should show some hints (e.g., “search products” below) when empty. [0.5 mark]



- User can type keywords (e.g., model name, brand, type) into the textbox and click the “search” text/icon to look up cars. [1 mark]
- The search box shows differently when it is on focusing from when it loses the focus. [0.5 mark]
- When the search box is on focusing and no keywords are given, it shows some recent keywords used for search. [1 mark]



- Give real-time suggestions (best matches) as the user types the keyword into the search box. [2 marks]

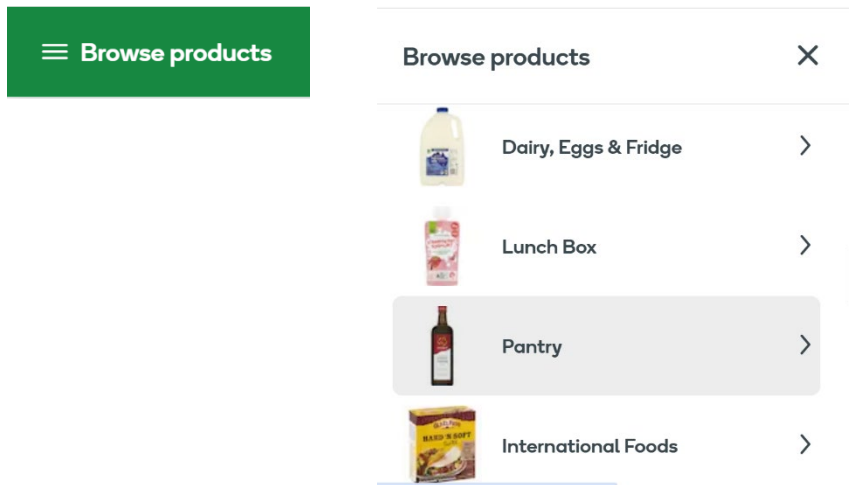


- Search results should show as a grid view of cars, with **name**, **image**, **price per day**, **availability** and a **“rent” button**. [0.5 mark]
- The search box should still give a grid view of best-matches, even if no perfect match is found or if the user does not select any of the suggestions. [1 mark]

### 3. Car categories [5 marks]

- Cars are organized in categories by type (e.g., Sedan, Wagon, SUV) and brand (e.g., Ford, Mazda, BMW). [1 mark]
- Car categories should appear on all pages except the reservation and order confirmation pages. [0.5 mark]

- The categories will be invisible by default. But the user can click a text/icon to expand or collapse it. [2 marks]



- User can click a category to view a grid view of all cars in the category, where each car should show [name](#), [image](#), [price per day](#), [availability](#) and a “rent” button. [0.5 mark]
  - Once user clicks a category, the categories menu will hide from user’s view. [0.5 mark]
  - A category should show differently when the mouse is over or clicking it. [0.5 mark]
4. A grid view of cars [1.5 marks]
- A car in the grid view should show differently when the mouse is over it. [0.5 mark]
  - The “rent” button is unclickable if a car is unavailable for renting; in this case, the “rent” button shows differently from when the car is available for renting. [0.5 mark]
  - If the car is available for renting, user can click the “rent” button to move to the reservation page. [0.5 mark]
5. Reservation [13.5 marks]
- A “Reservation” button/icon appears on all pages of the website. [0.5 mark]
  - If user has clicked the “rent” button to get to the reservation page, the user will see the car model that has just been selected to rent (non-editable), even if a previously uncompleted order exists. [1 mark].
  - Alternatively, user can click the “Reservation” button directly to get to the reservation page. [0.5 mark]; in this case, the page will show the most recent, previously uncompleted rental order [0.5 mark], and the up-to-date availability of the car model selected in the order shown should be indicated. [1.5 mark].
  - By default, the quantity of car to rent is set to 1. [0.5 mark]
  - User can edit the quantity of cars, the start date, and the end date for the rent. [1.5 mark]
  - As the user edits the quality and dates, the page calculates and shows the rental cost at real-time. [1.5 marks]
- $$\text{Rental cost} = \text{quantity of cars} * \text{number of days}$$
- User must provide [name](#), [mobile number](#), [email address](#) and indicate [whether she/he has a valid driver’s license](#) and then click the “submit” button to place the rental order. [1 mark]
  - All user’s inputs in the form are compulsory, and they should be validated appropriately (e.g., an email address must follow certain formats). Users get live feedback when giving the inputs. [2 mark]
  - Alternatively, user can click the “cancel” button to withdraw the rental request and get back to the website’s homepage. This will clear the current reservation information for the user. [1 mark]

- User can leave this page without click either “cancel” or “submit”. In this case, the uncompleted reservation will be saved for future reuse. [1 mark]
  - The website should re-check to ensure the car model is still available before the rental order can be placed successfully. [1 mark]
6. Order confirmation [3 marks]
- Once the order is placed successfully, the “Reservation” information will be cleared [0.5 mark], a new rental record (status: unconfirmed) can be inserted to the database table [0.5 mark], and the page will show a web link which user can click to confirm the order. [0.5 mark]
  - Once the user clicks the link, the available quantity of the car model can be updated in the JSON file [1 mark], and the status of the rental record will be updated in the database table. [0.5 mark]
7. Overall presentation [4 marks]
- All texts and labels are easy to read. [1 mark]
  - Text fonts used on the web pages are contemporary and of appropriate font sizes. [1 mark]
  - Everything on the pages has the appropriate font colors and background colors. [1 mark]
  - No borders around images. [1 mark]

Total marks = 35