School of Computer Science
Faculty of Engineering

COMP9120 ASSIGNMENT COVERSHEET - GROUP ASSESSMENT

Assignment name: Assignment2-PythonDB

DECLARATION

We the undersigned declare that we have read and understood the *University of Sydney Academic Dishonesty and Plagiarism in Coursework Policy*, an, and except where specifically acknowledged, the work contained in this assignment/project is our own work, and has not been copied from other sources or been previously submitted for award or assessment. We understand that failure to comply with the *Academic Dishonesty and Plagiarism in Coursework Policy* can lead to severe penalties as outlined under Chapter 8 of the *University of Sydney By-Law1999* (as amended). These penalties may be imposed in cases where any significant portion of my submitted work has been copied without proper acknowledgement from other sources, including published works, the internet, existing programs, the work of other students, or work previously submitted for other awards or assessments. We realise that we may be asked to identify those portions of the work contributed by each of us and required to demonstrate our individual knowledge of the relevant material by answering oral questions or by undertaking supplementary work, either written or in the laboratory, in order to arrive at the final assessment mark.

Assignment team members				
Student name	**Student ID**	**Participated**	**Agree to share**	**Signature**
Mingjie Zhang	540798904	Yes	Yes	Mingjie Zhang
Yuhan Luo	540845389	Yes	Yes	Yuhan Luo
Danyue Xun	540225802	Yes	Yes	Danyue Xun

COMP9120 Assignment Participation Summary of Group

[Enter Group number]

**Note that the total of members' participation percentage must be 100%*

Member 1 Participation Percentage: 33.3%

Name: Mingjie Zhang Student ID: 540798904

Summary of Contribution:

- Responsible for implementing and testing checkLogin() and getCarSalesSummary() functions
- Implemented login logic with case-insensitive username validation
  Designed SQL query to summarize car sales with counts of available/sold units and total revenue
- Ensured results are sorted by make and model, with date formatted in Australian convention
- Conducted function-level testing and reviewed schema consistency with other components

Member 2 Participation Percentage: 33.3%

Name: Yuhan Luo Student ID: 540845389

Summary of Contribution:

- Implemented and tested findCarSales() and addCarSale() functions
- Handled keyword search across multiple fields with proper filtering and sorting logic
- Designed input validation for adding cars, including checks on make, model, odometer, and price
- Ensured default values are correctly set for newly added unsold cars
- Prepared test data and verified functional correctness through multiple cases

Member 3 Participation Percentage: 33.3%

Name: Danyue Xun Student ID: 54022580

Summary of Contribution:

- Implemented updateCarSale() function and conducted final system integration and testing
- Validated buyer ID, salesperson username, and ensured sale date is not in the future
- Confirmed that triggers work as intended and that updates are correctly applied
- Performed end-to-end testing including login, viewing, searching, adding, and updating
- Resolved integration issues and standardized output formats across all functions