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**FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

**SESSION 2025/2026**

**SOFTWARE DESIGN**

**BIE20203**

**Assignment 3 : Software Design Notation Package Diagram in Visual Paradigm**

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**Part 1**

1. Do exercise from 1 to 8 individually.

2. Complete the exercise in Figure 13 and add three (3) related packages in the diagram.

3. Submit the diagram in a report with a complete description.

4. Submit in the Individual Activities tab via Author LMS.

**A diagram of a computer

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**Description**

|  |  |
| --- | --- |
| **Package** | **Description** |
| **Race** | -This package manages race logic, track selection and player racing interactions |
| **Tuning** | -Provides car customization from colour and performance tuning functionalities |
| **Security** | -Handle authentication, data player protection and anti-cheating |
| **General** | -Contain shared utilities, configuration settings , and helper classes |
| **Leaderboard** | -Manages ranking, scoring and displaying high scores |
| **Multiplayer** | -Handle player networking, matchmaking and multiplayer race sessions |
| **UserProfile** | -Manage user account details, progress and saved game data |