**Peer Review Template for**

**4D2a/4CSLL1/CS3041** *(incl Business & Computing)* **Coursework 2010/2011**

**PROJECT 1**

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| PLEASE STATE the Title and Student Name for the project being reviewed | **Title:** Overwatch World Cup  **Student Name:** N/A  **Student Number:** 16320343 |
| Q1. Is the Functional Dependency Diagram correct (describe errors if any)? | Yes, the functional dependency diagram is correct. All non-key attributes are functionally determined by the primary key. |
| Q2: Are the tables defined in the project in Boyce Codd Normal Form? | Yes, the tables satisfy the criteria for 1NF, 2NF, 3NF and BCNF. |
| Q3. Are the Create Table commands given in the appendix consistent with the tables defined in the Functional Dependency Diagram? | Yes, the create table commands are consistent with the functional dependency diagrams. All attributes are accounted for and all foreign keys are referenced correctly. |
| Q4. Are the table constraints given for the project appropriate for the intended application? | Some of the constraints are appropriate, making good use of DEFAULT and NOT NULL. However, in some tables the primary key ‘ID’ is created using a VARCHAR type which is not ideal for referencing numbered IDs. |
| Q5. Is the Trigger Command correctly specified? | No, the trigger specified in the report is actually a database function and not a trigger. |
| Q6. What are the ‘innovative features’ of the project in your opinion? | The user makes quite good use of views and the database function to determine a winner of a match is very useful. This could have been used within a trigger after a result had been entered. |
| Q7. In your opinion are there any weaknesses in the project ? | The foreign keys don’t protect against referential integrity violation. The user could have implemented CASCADE or SET DEFAULT. |