Evaluations Results for the prototype

Literal translation

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| **Diagram** | **Completeness** | **Correctness** | **Anything that needs to be addressed or revised** |
| Bank Management System | Complete | Correct | The translation is not clear on when similar paths are connecting at least two rectangle to one rectangle, for example Savings Account box and Current Account box have each a line with a white triangle connecting to Account box but the translation is read as “A straight line with a white triangle head connects rectangles Savings Account Current Account and Account”. It should read as “A straight line with a white triangle head connects rectangles Savings Account Current with Account boxes, and Current Account with Account boxes. |
| School Management System | Complete | Correct | The translation lacks clarity on connections especially if there are more than two boxes connected with the same type of connection, for example, in this case, the translation is reading “A straight line with an arrow connects rectangles NoticeBoard Classroom Bus and Student” When you look at the diagram the common box where a straight line with an arrow are connected to is Student box. The translation should read line “straight line with an arrow connects rectangles; Playground with Student, Classroom with Student, Noticeboard with Student, Bus with Student” |
| Restaurant System | Complete | Partially Correct | There exist a false translation, for example, “A straight line connects rectangles Restaurant and Meal” and there is no such connection. Also the prototype fails to distinguish between broken line with arrow and a solid arrow with an arrow. It is just reading it as a straight line with an arrow. This line connects Order with Menu, and Menu with Meal |
| Inventory Management System | Partially complete | Partially correct | The tool fails to read twisted lines that connects rectangles. It only reads straight lines which with or without arrow headed that connects rectangles. For example, it fails to read a connection between Supplier and Permission rectangles |
| Library Management System | Complete | Partially correct | The translation lacks clarity especially if there is same type of connection to one rectangle from different rectangles |
| Passport Automation System | Complete | Partially correct | If the class is an abstractclass with the class name below it. The “abstractclass” is considered as the name of the class. For example, AbstractClass Passport. AbstractClass is a type of a class. The name of the rectangle should be Passport |

Model Translation

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| **Diagram** | **Completeness** | **Correctness** | **Anything that needs to be addressed or revised** |
| Bank Management System | Complete | Partially correct | The relationship is generalised especially if relationships are relationship type is involved in more than one class |
| School Management System | Partially complete | Correct | Some relationship types are missing, for example, the generalisation relationship between SupportStaff and Employee, generalisation relationship between Teacher and Employee |
| Restaurant System | Complete | Partially Correct | Relationship type are being generalised. A relationship type should be between two classes. For example, “There is an aggregation relationship between Cash and Payment, Materials and Meal, Meal and Restaurant, and not “There is an aggregation relationship between Menu, Cash Payment, Materials, Meal and Restaurant” |
| Inventory Management System | Partially Complete | Partially Correct | Some relationship types are missing. This is due to connecting lines not being straight from one class to another as found in Literal translation |
| Library Management System | Complete | Partially Correct | Class relationships are vague. Relationship types should be between two classes not a group of classes even if they are similar |
| Passport Automation System | Complete | Partially correct | If a class name is preceded by a class type, for example AbstractClass Passport, AbractClass is taken as the name of the class instead of Passport |