**DATABASE**

**I. Design table database**

**\*Note:**

Primary key

Foreign key

**1. User**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| userID | string | Primary key |
| username | string |  |
| password | string |  |
| role | string |  |

**2. Employee**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| badgeID | string | Primary key |
| userID | string | Foreign key |
| fullName | string |  |
| gentle | string |  |
| dg | string | Delivery Group |
| dc | string | Delivery Center |
| birthDay | datetime |  |
| joinDay | datetime |  |
| experience | string | Years or months |
| position | string |  |
| address | string |  |
| email | string |  |
| phoneNumber | string |  |
| grade | int | Level of employee |

**3. DeliveryGroup**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| nameDG | string |  |
| description | string |  |

**4. DeliveryCenter**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| nameDC | string |  |
| description | string |  |

**5. TaskList**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| userID | string | Foreign key |
| title | string |  |
| type | string |  |
| description | string |  |
| startDay | datetime |  |
| endDay | datetime |  |
| status | string |  |

**6. TaskType**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| title | string |  |
| description | string |  |

**7. QuizType**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| title | string | Type quiz |
| description | string |  |

**8. Question**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| quizId | string |  |
| question | string |  |
| answerExplained | string |  |

**9. Answers**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| questionId | string |  |
| answer | string |  |
| correct | boolean |  |

**10. ResponseQuiz**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | string | Primary key |
| userID | string |  |
| quizID | string |  |
| score | int |  |

**II. Relationship database**

|  |
| --- |
| **User** |
| userID  username  password  role |

|  |
| --- |
| **Employee** |
| badgeID userID  fullName  gentle  dg  dc  birthday  joinDay  experience  position  address  email  phoneNumber  grade |

|  |
| --- |
| **DeliveryGroup** |
| id  NameDG  description |

|  |
| --- |
| **DeliveryCenter** |
| id  NameDC  description |

|  |
| --- |
| **TaskList** |
| id  userID  title  type  description  startDay  endDay  status |

|  |
| --- |
| **TaskType** |
| id  title  description |

|  |
| --- |
| **QuizType** |
| id  title  description |

|  |
| --- |
| **ResponseQuiz** |
| id  userID  quizID  score |

|  |
| --- |
| **Question** |
| id  quizId  question  answerExplained |

|  |
| --- |
| **Answers** |
| id  questionId  answer  correct |