Group: 6

Member:

|  |  |
| --- | --- |
| Student1032633 | NGUYEN HUU DAM |
| Student1040277 | TO NGUYEN THIEN CHI |
| Student1048374 | DINH HOANG QUAN |

**I. Architecture & Design of the Project**



***1. Presentation Tier:***

Is the tier in which the users interact with application . Presentation Tier contents Model, View, Controller used to receive a request and response to User.

Technology: ASP.NET MVC5, HTML, CSS, JavaScript, Ajax, JQUERY, Bootstrap

***2. Business Logic Tier:***

Is mainly working as the bridge between Data Tier and Presentation Tier. All the Data passes through the Business Tier before passing to the Presentation Tier.

Technology: OOP, ASP.NET

***3. Data Access Tier:***

Is basically the server which stores all the application’s data .Data tier contents Database Tables, Database Views and other means of storing Application Data .

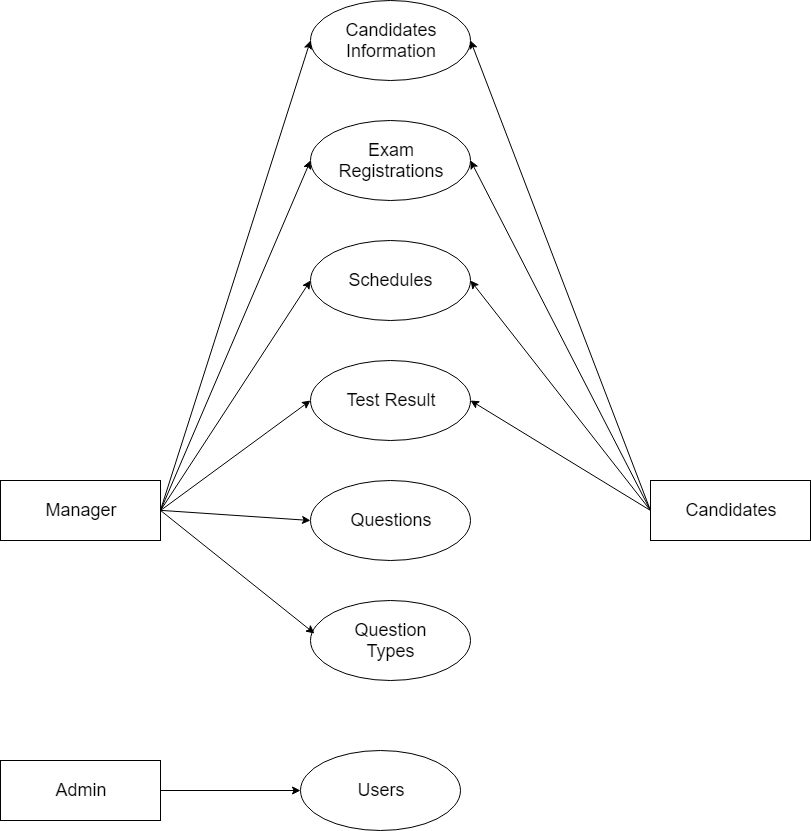
Technology: SQL Server, LINQ, ADO.NET

**II. Algorithms - Data Flowchart:**

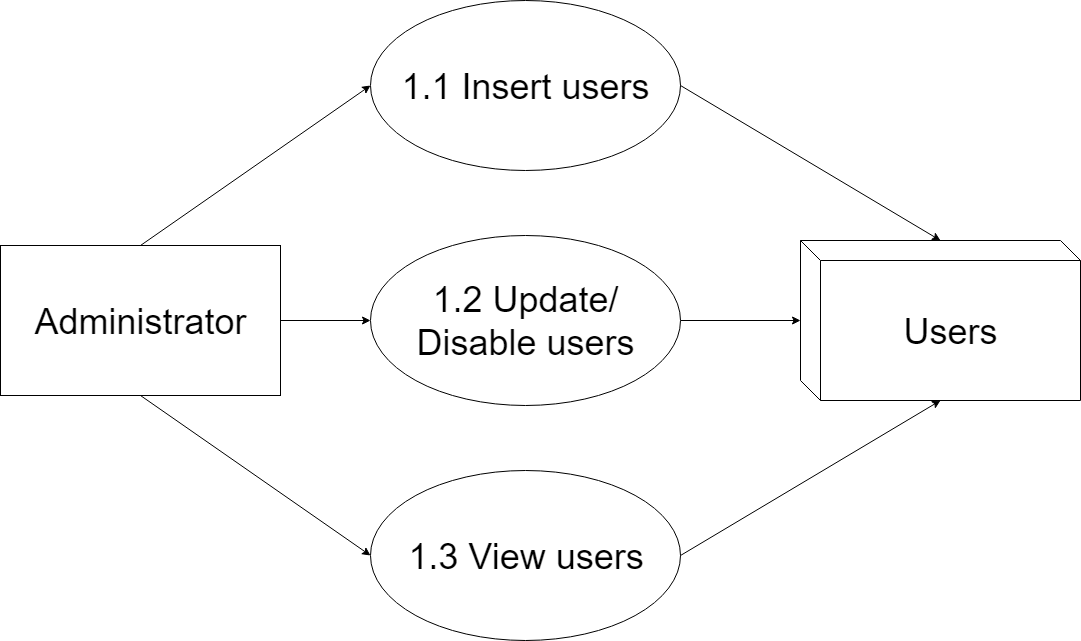
**Dam dm mat zaiii**

**III. Data Flow Diagram:**

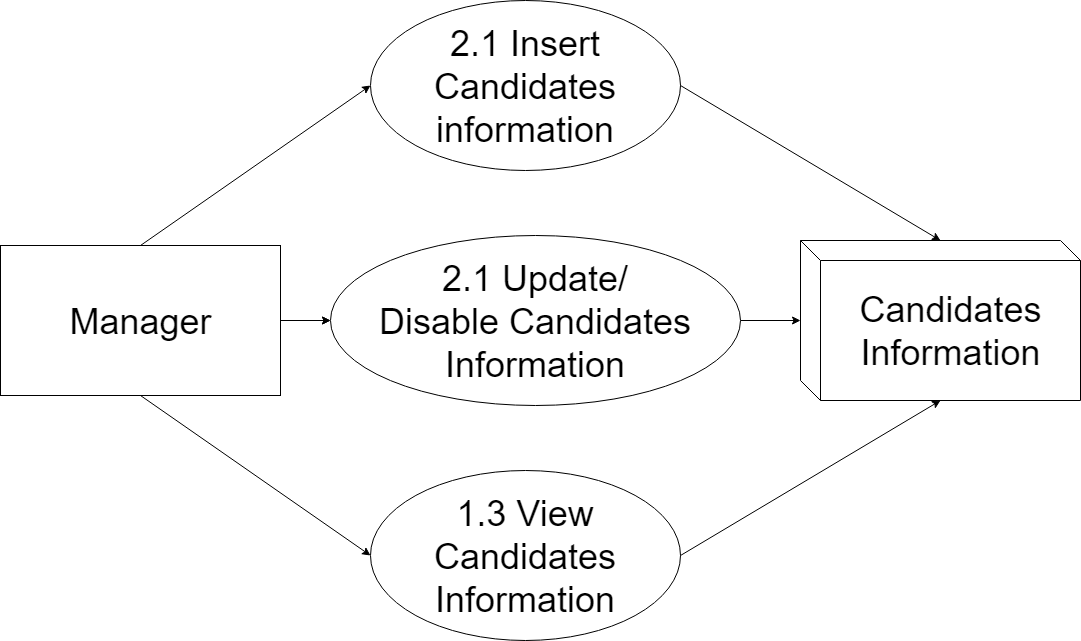
1. **Level 0 Data Flow Diagram**

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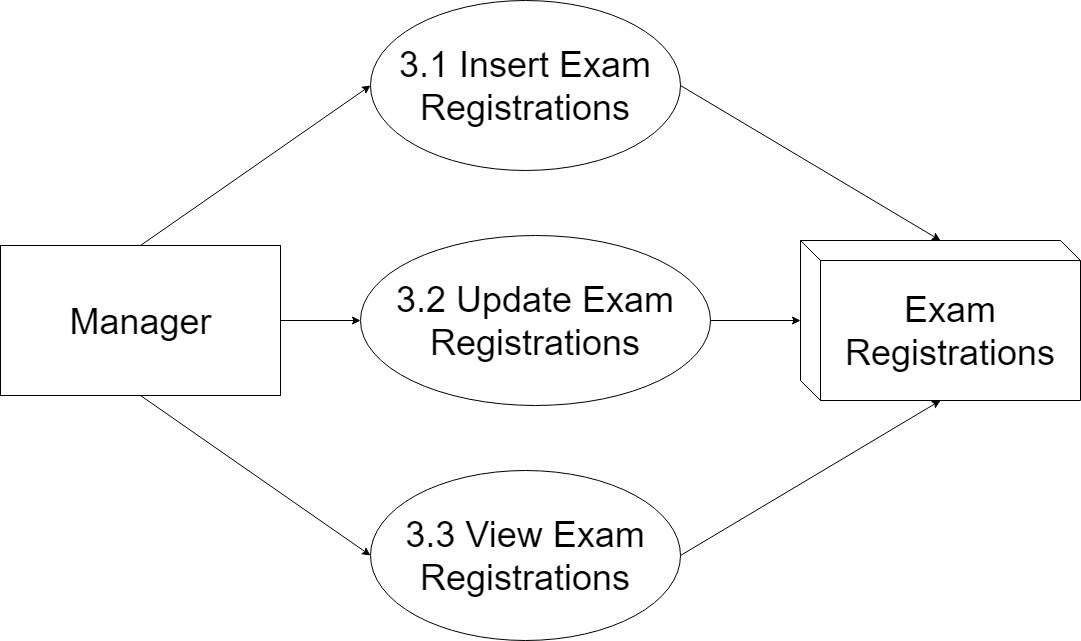
1. **Level 1 Data Flow Diagram**
   1. **Administrator Manage Users**

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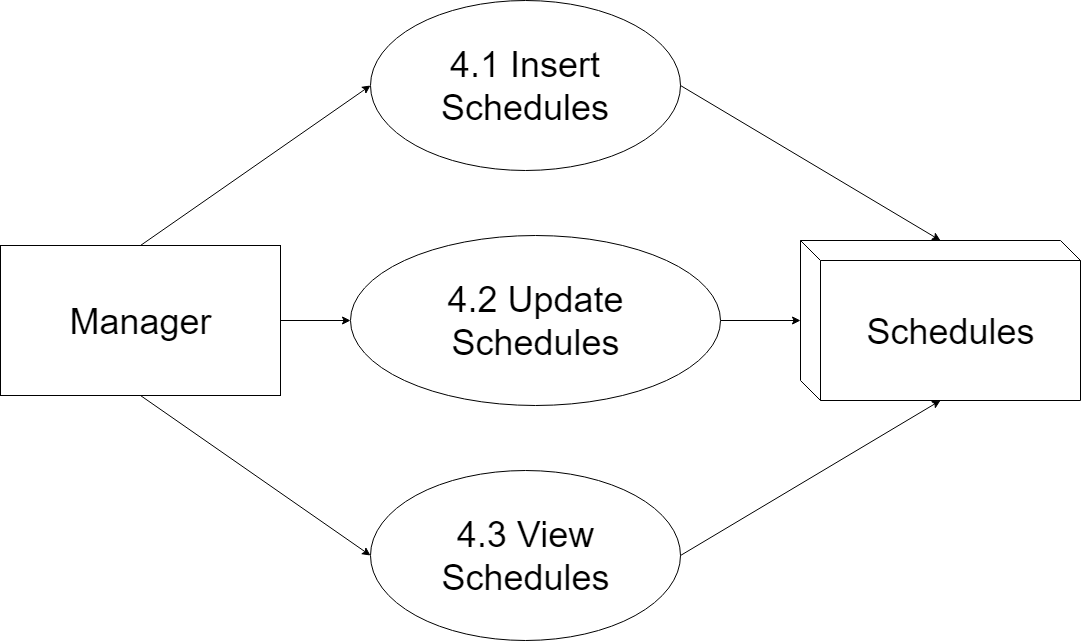
* 1. **Manager Manage Candidates Information**

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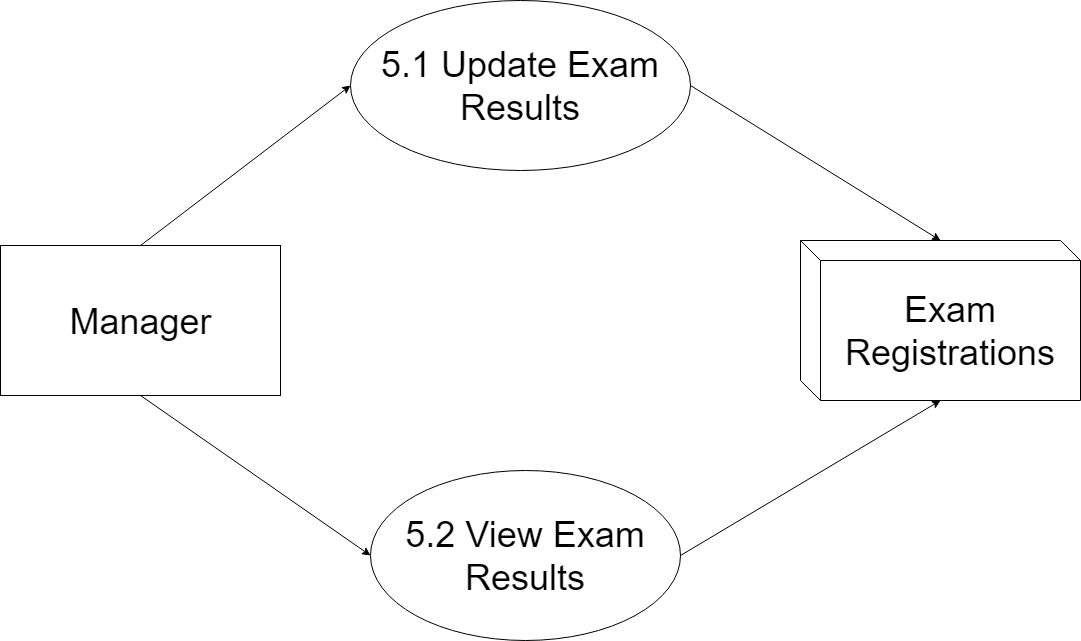
* 1. **Manager Manage Exam Registrations**

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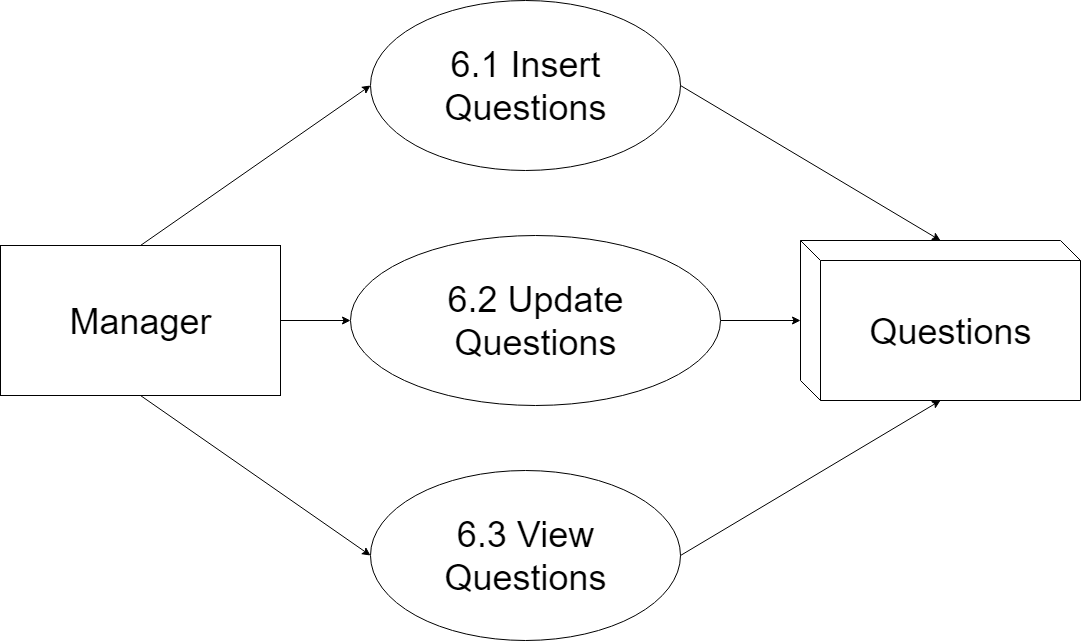
* 1. **Manager Manage Schedule**

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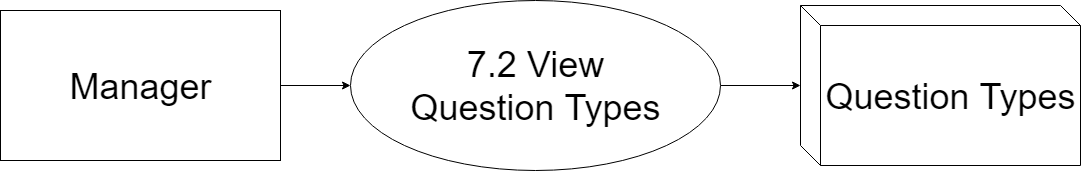
* 1. **Manager Manage Exam Result**

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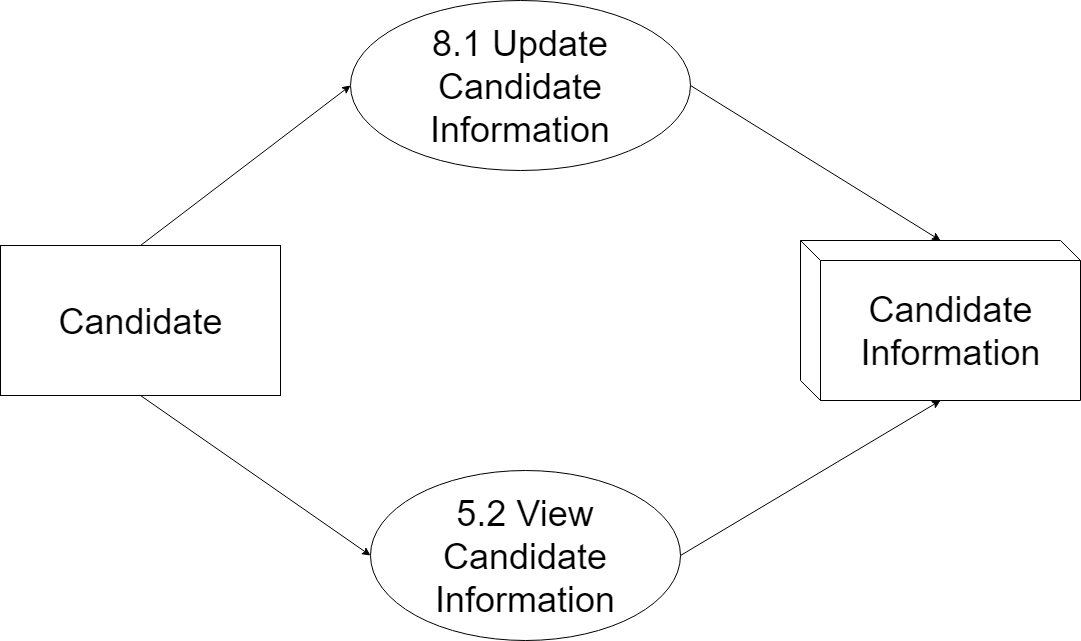
* 1. **Manager Manage Questions**

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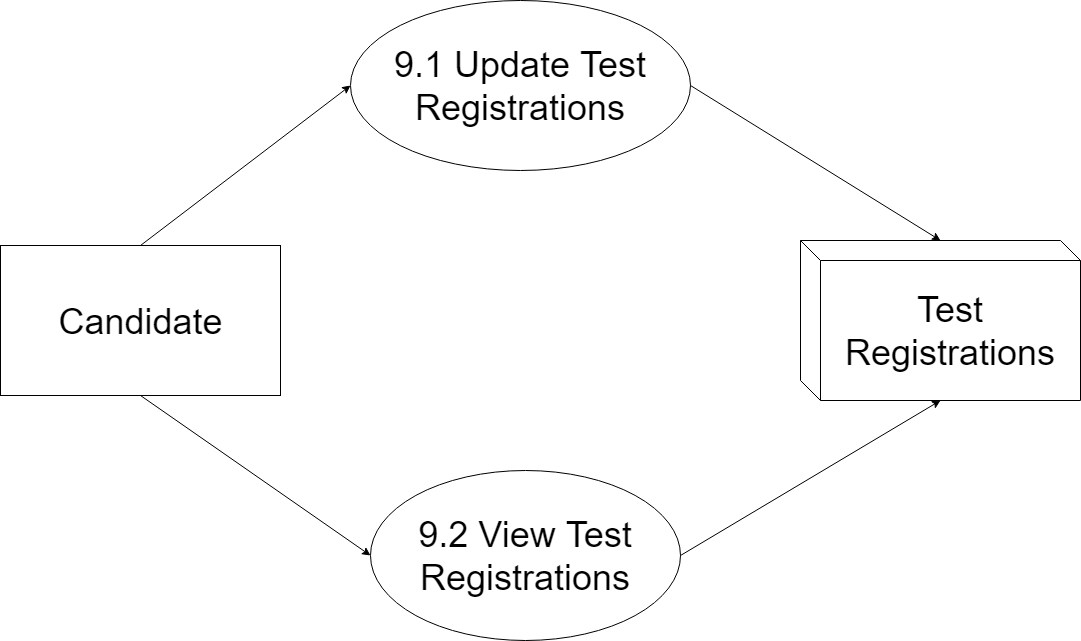
* 1. **Manager Manage Questions Type**

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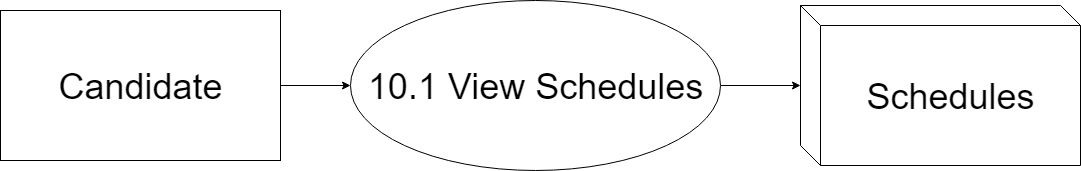
* 1. **Candidate Manage Candidates Information**

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* 1. **Candidate Manage Test Registratrions**

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* 1. **Candidate Manage Schedules**

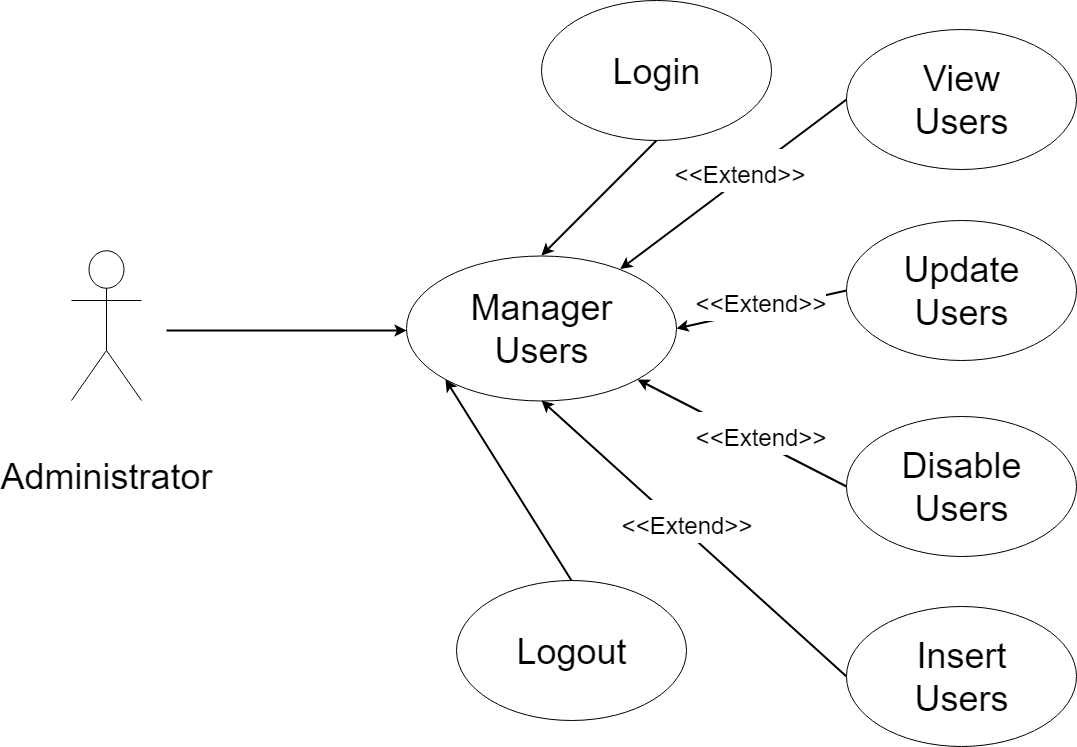
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* 1. **Candidate Manage Test Result**

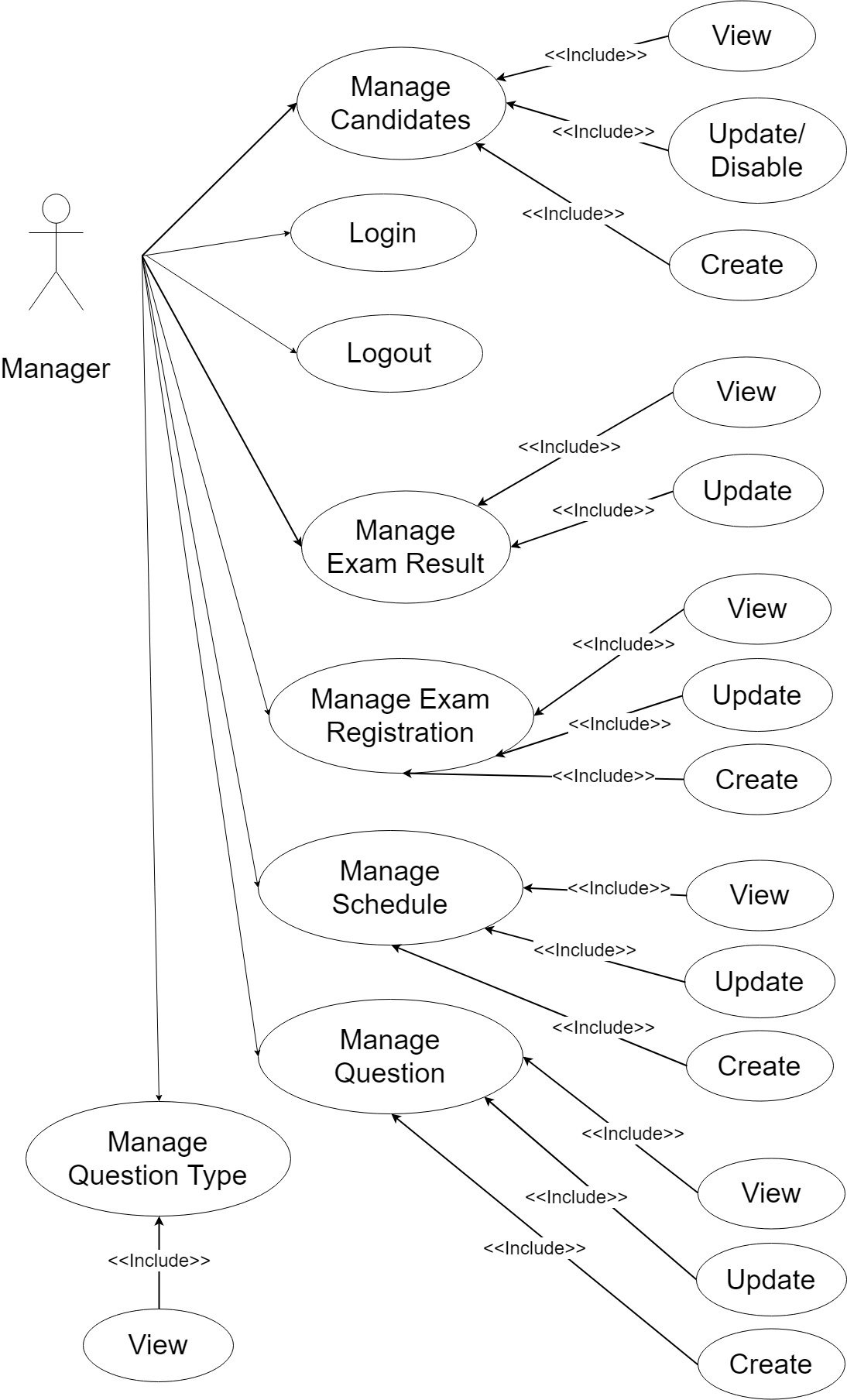
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**IV. Use Case Diagram:**

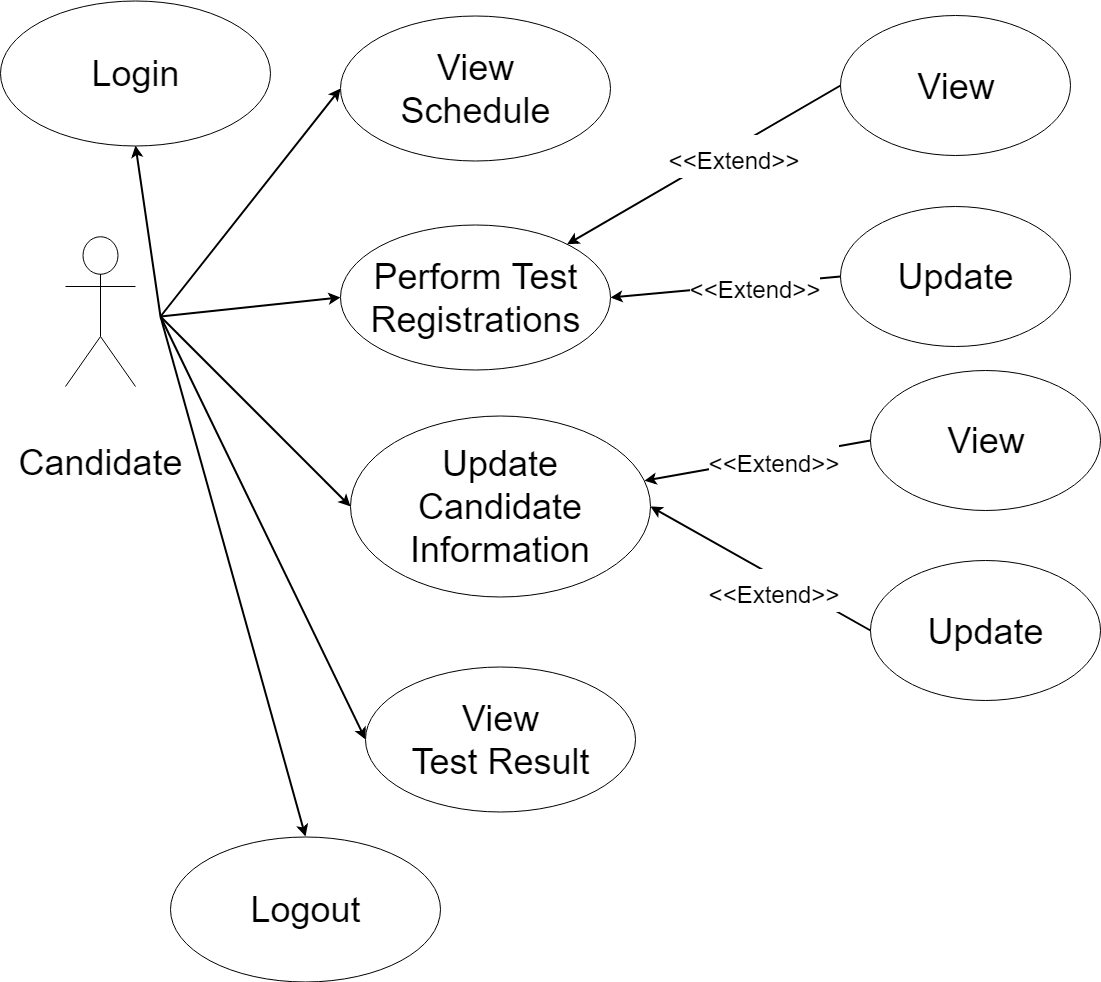
1. **Administrator Use Case**

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1. **Manager Use Case**

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1. **Candidate Use Case**

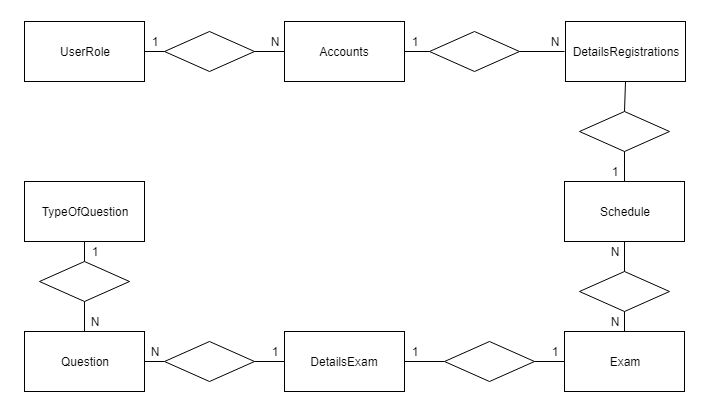
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**V. Sequence Diagram:**

**Dam**

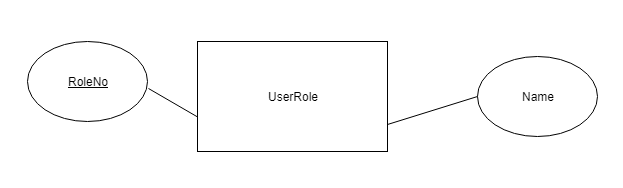
**VI. Entity–Relationship Design:**

1. Entity–Relationship Diagram

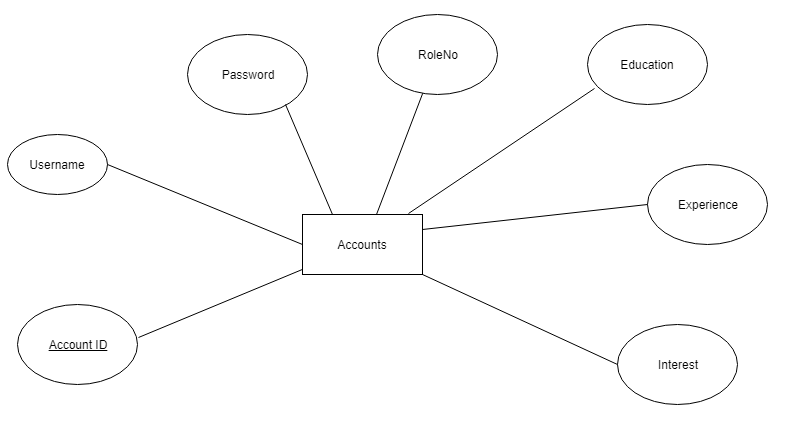


2. **Entities and Properties**

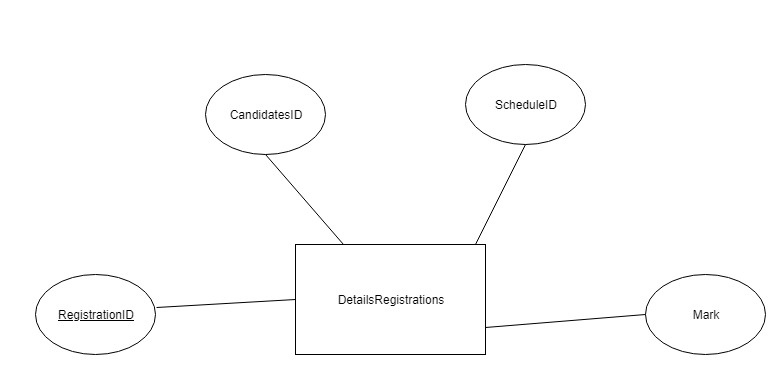
**2.1.User Role Entity & Properties**

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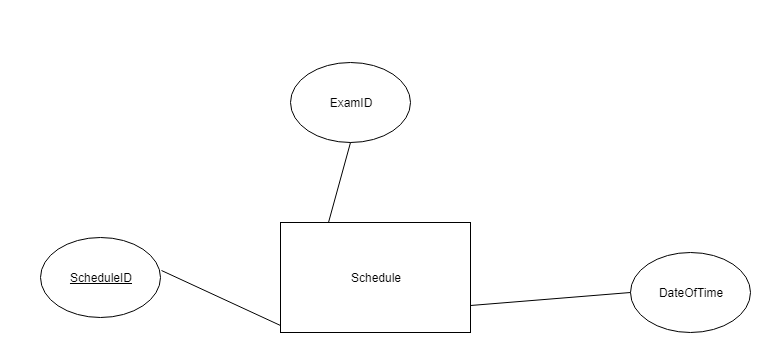
**2.2 Accounts Entity & Properties**

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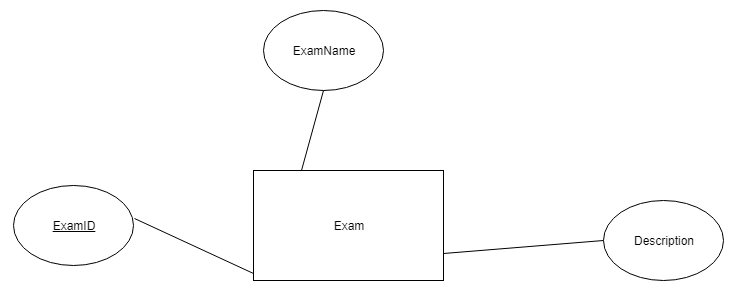
**2.3 Details Registration Entity & Properties**

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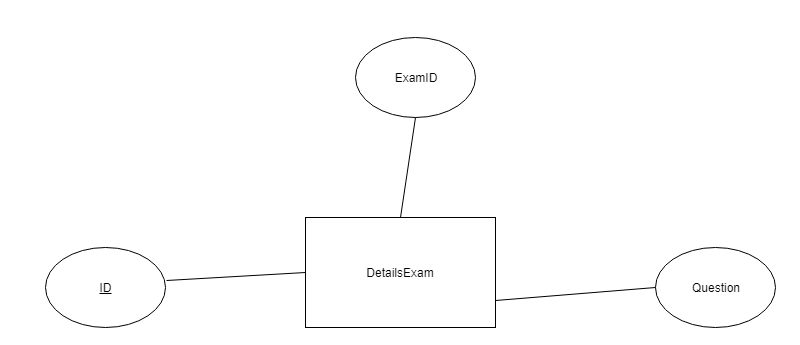
**2.4 Schedule Entity & Properties**

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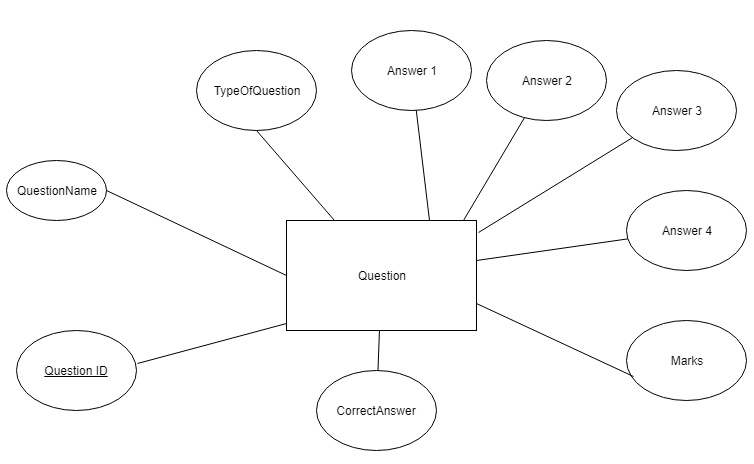
**2.5 Exam Entity & Properties**

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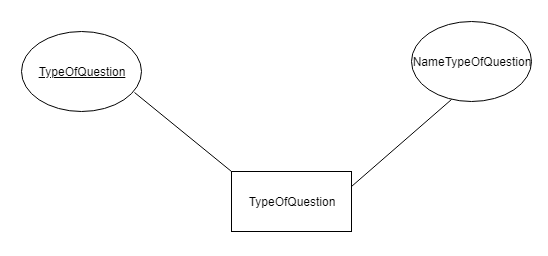
**2.6 Details Exam Entity & Properties**

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**2.7 Question Entity & Properties**

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**2.8 Type Of Question Entity & Properties**

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**VII. Task sheet review 2**

**TASK SHEET REVIEW 2**

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| --- | --- | --- | --- | --- |
| No. | Description | Begin Date | TeamMate Name | Notes |
| 1 | Architecture & Design of the Project | 08/10/2018 | Chi |  |
| 2 | Algorithms - Data Flowchart | All member |  |
| 3 | Data Flow Diagram | Chi |  |
| 4 | Use Case Diagram | Chi |  |
| 5 | Sequence Diagram | Dam |  |
| 6 | Entity–Relationship Design | Quan |  |
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| --- | --- |
| **Date:** | |
| Signature of Instructor:  **Dinh Vu Quoc Trung** | Signature of Team Leader:  **To Nguyen Thien Chi** |