

**CSC301: VISUAL PROGRAMMING**

TUITION CENTRE MANAGEMENT SYSTEM

**Final Report**

|  |  |
| --- | --- |
| Program Code | : CS110 |
| Group | : M3CS1105A |
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**BUSINESS RULES**



*Relationship: (Many to Many)*

* One student can learn many subject, one subject can be learnt by many students.



*Relationship: (Many to Many)*

* One teacher can teach many subject, one subject can be taught by many teachers.

**

*Relationship: (Many to Many)*

* One admin can deal with many teachers and students. one teachers and student can be dealt by many admin.

**

*Relationship: (Many to Many)*

* One teacher can teach many subject, one subject can be taught by many teachers.

**

*Relationship: (Many to Many)*

* One student can learn many subject, one subject can be learnt by many students.

**ENTITY RELATIONSHIP DIAGRAM (ERD)**



**DATA DICTIONARY**

Admin Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | admin\_id | Long  integer | Number | PK |  | Id for admin |
| 2. | admin\_pass | 255 | Short text |  |  | Password for admin |
| 3. | admin\_name | 255 | Short text |  |  | Admin name |
| 4. | admin\_phoneno | 255 | Short text |  |  | Admin phone number |
| 5. | admin\_address |  | Long text |  |  | Admin address |
| 6. | admin\_email | 255 | Short text |  |  | Admin email |

Deal Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | admin\_id | Long  integer | Number | PK | FK | Id for admin |
| 2. | tcr\_id | Long  integer | Number | PK | FK | Id for teacher |
| 3. | std\_id | Long  integer | Number | PK | FK | Id for student |

Learn Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | std\_id | Long  integer | Number | PK | FK | Id for student |
| 2. | sub\_code | 255 | Short text | PK | FK | Subject code |
| 3. | timetable\_day | 255 | Short text |  |  | Day of the timetable |
| 4. | timetable\_session | Long  integer | Number |  |  | Session of the timetable |

LearnTemp Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | std\_id | Long  integer | Number | PK | FK | Id for student |
| 2. | sub\_code | 255 | Short text | PK | FK | Subject code |

Student Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | std\_id | Long  integer | Number | PK |  | Id for student |
| 2. | std\_ic |  | Long text |  |  | Student ic number |
| 3. | std\_name |  | Long text |  |  | Student name |
| 4. | std\_sex | 255 | Short text |  |  | Student sex |
| 5. | std\_email |  | Long text |  |  | Student email |
| 6. | std\_category | 255 | Short text |  |  | Student category |
| 7. | std\_address |  | Long text |  |  | Student address |
| 8. | std\_parentno | Long  integer | Number |  |  | Parent phone number of the student |
| 9. | std\_phoneno | Long  integer | Number |  |  | Student phone number |
| 10. | std\_pass | 255 | Short text |  |  | Student password |
| 11. | std\_pic | 255 | Short text |  |  | Student picture |

Subject Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | sub\_code | 255 | Short text | PK |  | Subject code |
| 2. | sub\_module |  | Long text |  |  | Subject module |
| 3. | sub\_name |  | Long text |  |  | Subject name |
| 4. | sub\_price | Long  integer | Number |  |  | Subject price |

Teach Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | tcr\_id | Long  integer | Number | PK | FK | Id for teacher |
| 2. | sub\_code | 255 | Short text | PK | FK | Subject code |
| 3. | timetable\_day | 255 | Short text |  |  | Day of the timetable |
| 4. | timetable\_session | Long  integer | Number |  |  | Session of the timetable |

Teacher Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | | Foreign  Key | Explanation |
| 1. | tcr\_id | Long  integer | Number | PK |  | | Id for teacher |
| 2. | tcr\_ic |  | Long text |  |  | | Teacher ic number |
| 3. | tcr\_sex | 255 | Short text |  |  | | Teacher sex |
| 4. | tcr\_name |  | Long text |  |  | | Teacher name |
| 5. | tcr\_status | 255 | Short text |  |  | | Teacher status |
| 6. | tcr\_email | 255 | Short text |  |  | | Teacher email |
| 7. | tcr\_address |  | Long text |  |  | | Teacher address |
| 8. | tcr\_phoneno | Long  integer | Number |  |  | | Teacher phone number |
| 9. | tcr\_pass | 255 | Short text |  |  | | Teacher password |
| 10. | tcr\_pic | 255 | Short text |  |  | | Teacher picture |

TeachTemp Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Attributes | Field Name | Field  Size | Data  Type | Primary  Key | Foreign  Key | Explanation |
| 1. | tcr\_id | Long  integer | Number | PK | FK | Id for teacher |
| 2. | sub\_code | 255 | Short text | PK | FK | Subject code |

**USER MANUAL**

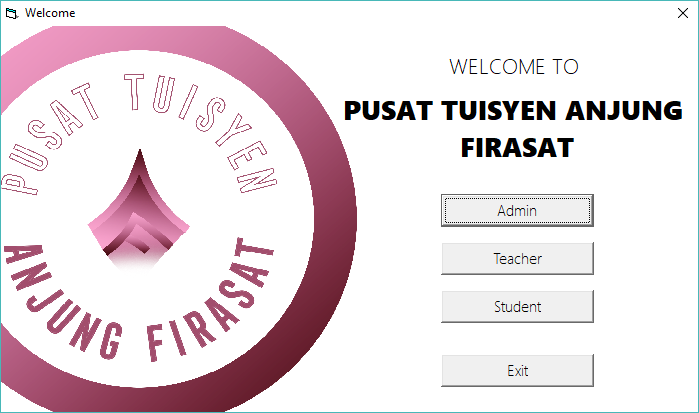


Figure 1: Main page

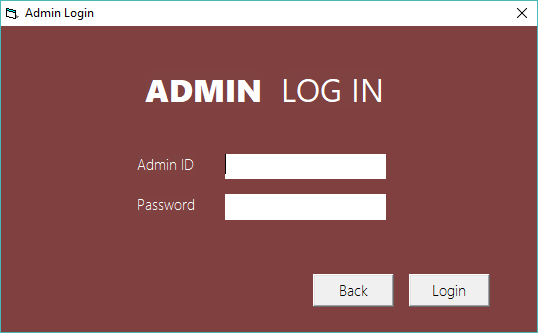


Figure 2: Admin login

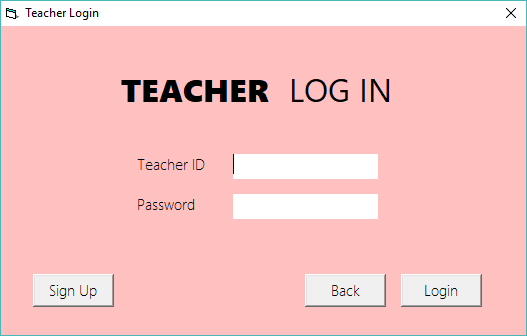


Figure 3: Teacher login

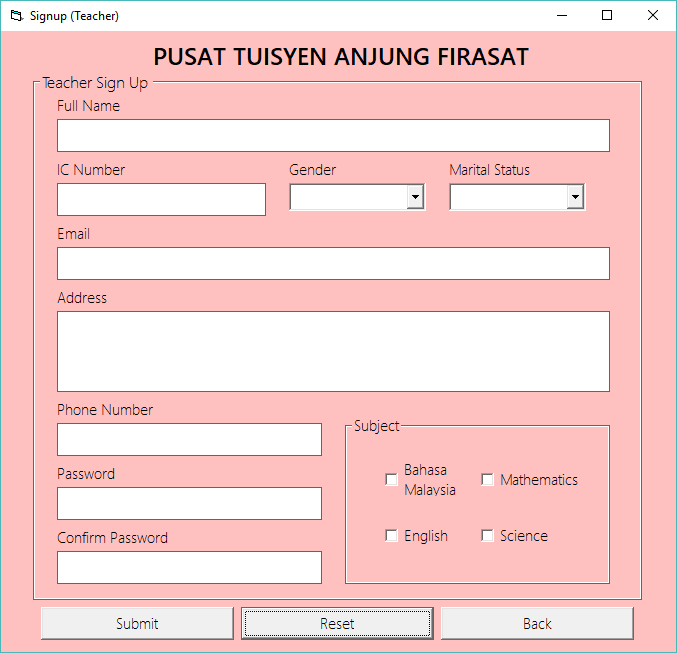


Figure 4:Signup teacher

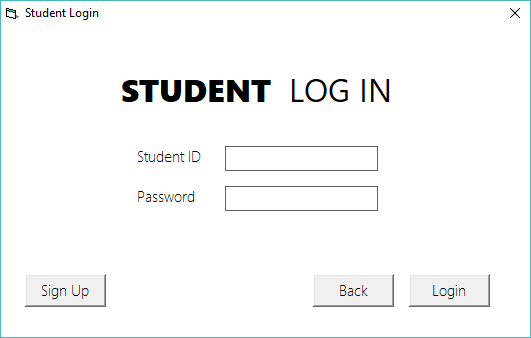


Figure 5: Student login

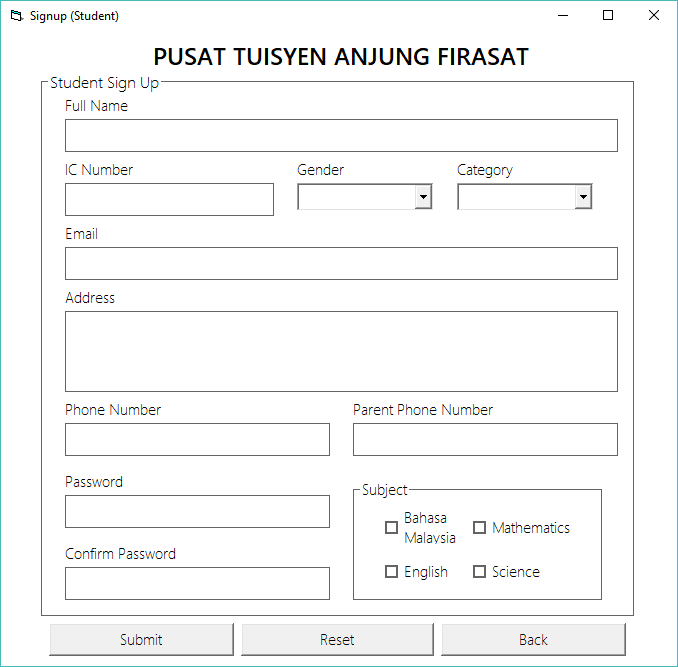


Figure 6: Signup student

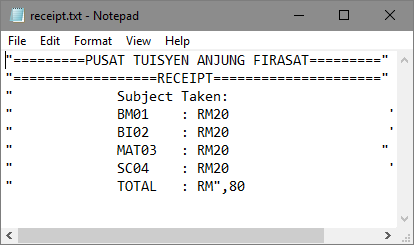


Figure 7: Receipt of Subject Price After the Registration



Figure 8: Teacher Details

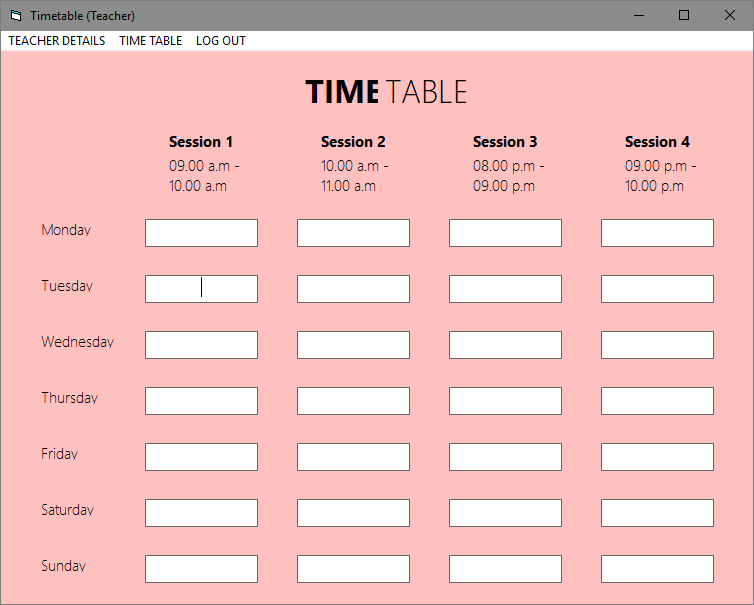


Figure 9:Teacher Timetable

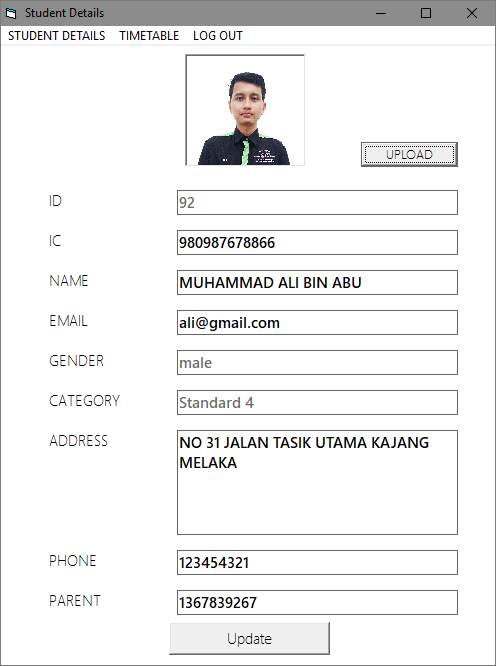


Figure 10: Student Details

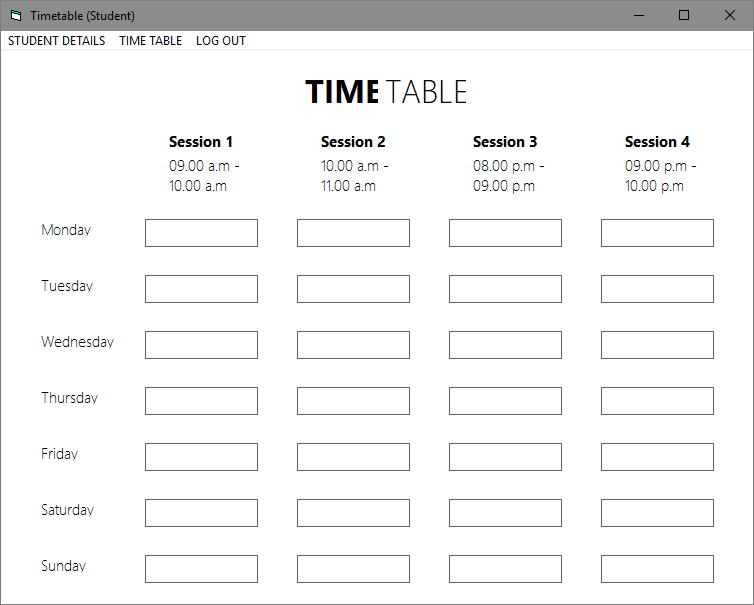


Figure 11: Timetable student

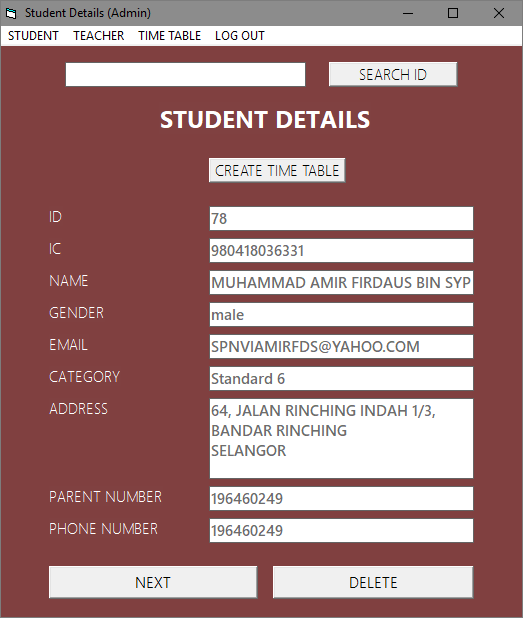


Figure 12: Student details for admin

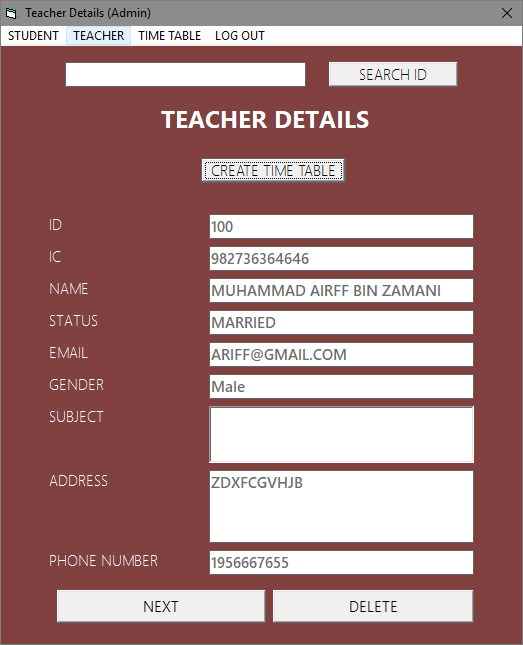


Figure 13:Teacher Details Admin

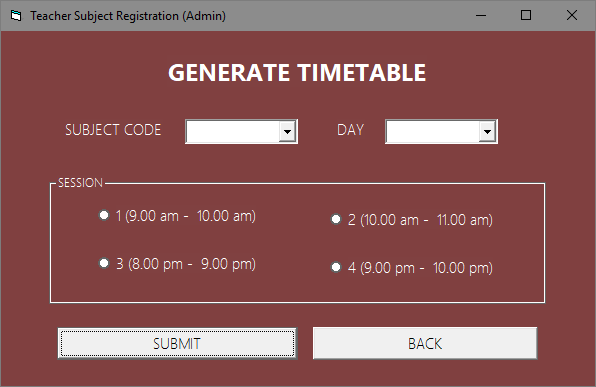


Figure 14: Timetable Registration