Assignment Workbook

Fall 2017

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Issue** | **Description** | **Author** |
| Nov. 21 | 1 | Completed entity classes | All |
| Dec. 1 | 2 | Revised entity classes and added class attributes | All |
| Dec. 6 | 3 | Completed traceability matrix | All |
| Dec. 7 | 4 | Completed class diagram | All |

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# Entity Classes

|  |  |
| --- | --- |
| Class name | Brief Description |
| User |  |
| Admin |  |
| Physiotherapist |  |
| Patient |  |
| RehabPlan |  |
| AskAPhysio |  |
| Appointment |  |
| Exercise |  |
| AssessmentTest |  |
| Treatment |  |
| Answer |  |
| Rubric |  |
| Country |  |
| Province |  |
| City |  |
| Payment |  |
| Forms |  |
| Questions |  |
| TouchMe |  |
| Multiple Choice |  |
| Rating |  |
| True/False |  |
| ShortAnswers |  |

# Classes Attributes

1. ***User class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| username | String | The username attribute stores the use account name of the user type that’s logged in |
| password | String | The password attribute stores the encrypted version of the password for the user type that’s logged in. A salted hash will be used in order to encrypt the password. |
| email | String | The email attribute stores the email address of the user type that’s logged in |
| firstName | String | The name attribute stores the first name of the user type that’s logged in |
| lastName | String | The name attribute stores the last name of the user type that’s logged in |

1. ***Patient class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| gender | bool | The gender attribute stores the gender of the patient user. |
| dateOfBirth | Date | The date of birth attribute stores the date of birth of the patient user. |
| postalCode | String | The postal code attribute stores the postal code of the patient user. |
| phoneNo | String | The phone number attribute stores the phone number of the patient user. |
| healthNo | String | The health card attribute stores the health number of the patient user. |
| maritalStatus | Boolean | The marital status attribute stores the marital status of the patient user. |
| occupation | String | The occupation attribute stores the occupation of the patient user. |

1. **Administrator Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| dateHired | Date | The date when the system administrator is hired by clinic. |
| dateFinished | Date | The date when the system administrator left the clinic. |

1. **Physiotherapist Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| dateHired | Date | The date when the physiotherapist is hired by clinic. |
| dateFinished | Date | The date when the physiotherapist left the clinic. |

1. ***Appointment class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| time | Date |  |
| comment | String |  |

1. **AskAPhysio class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| first | string |  |
| last | string |  |
| emailAddress | string |  |
| body | string |  |

1. **Payment Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| date | Date |  |
| Amount | Double |  |

1. **Country Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| name | string |  |

1. **Province Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| name | string |  |

1. **City Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| name | string |  |

1. **Treatment Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| date | Date |  |

1. **AssessmentTest Class**

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| name | string |  |
| description | String |  |
| authorName | String |  |

1. ***RehabPlan class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| rehabName | string |  |
| description | string |  |
| physioID | int |  |
| goal | string |  |
| timeFrame | string |  |

1. ***Exercises class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| name | String |  |
| description | String |  |
| authorName | string |  |
| objectives | string |  |
| actionsteps | String |  |
| location | string |  |
| Frequency&Duration | string |  |
| multimediaURL | string |  |
| targetDate | Date |  |

# Classes Diagram

