Fall 2017

Revision History

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| --- | --- | --- | --- |
| **Date** | **Issue** | **Description** | **Author** |
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# Potential Entity Classes

|  |  |
| --- | --- |
| Class name | Brief Description |
| User | The User class stores the user account information including the users name, the users password, users email address, first and last name of the user. This class is an interface. |
| Admin | The Admin class inherits from the User class. The admin creates and has authority over all the forms. The admin has the power to give users permission to update their passwords. This class also holds when the admin was hired and date they stopped working. |
| Physiotherapist | The Physiotherapist class inherits from the User class. This class stores the date they were hired and the date their term finished. The physiotherapist can make the exercises, rehab plan for the treatment, and he assigns them to the patient. |
| Patient | The Patient class holds the gender, date of birth, phone number, health card number, occupation, marital status, and postal code. The patient can book appointments, submit a form for ask a physio, and they can make payments. They also get assigned a treatment from physiotherapist. |
| RehabPlan | The rehab plan class holds the plan name, description, physiotherapist that made it, the goal of the rehab plan, and the date it was made. The class holds an instance of the exercise, and assessment tests. |
| AskAPhysio | This class holds the first name, last name, email address, and body of the form. This class is filled in by the patient and is handled by the physiotherapist. This class inherits from form. |
| Appointment | This class holds the time and comment of the appointment that is booked. This class is filled in by the patient. |
| Exercise | This class holds the following information about the exercise: name, description, author’s name, objectives, action steps, location, frequency and duration, multi-media URL, and the target date to have it completed by. This class is placed into rehab plan. |
| AssessmentTest | This class holds the following information about the assessment test: name, description and the author name. It holds an instance of rubric. It inherits from form. |
| Treatment | This class holds the date the rehab plan was assigned. |
| Answer | This class holds the answer that was inputted by the patient. This class is filled out by the patient. |
| Rubric | This class holds the rubric. It is held by answer. |
| Country | This class holds the country of the patients. One of these instances can be referenced by multiple patients. |
| Province | This class holds the province of the patient. One of these instances can be referenced by multiple patients. |
| City | This class holds the city of the patients. One of these instances can be referenced by multiple patients. |
| Payment | This class holds the account information of the patient. It has the function of authenticating accounts and sending emails to confirm payments. |
| Forms | This class is a form creator class so the admin can make forms dynamically as he wishes with whatever types of questions he wants. |
| Questions | This class is a generic class that holds different formats of questions. |

# 

# Classes Attributes

1. ***User class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| username | String |  |
| password | String |  |
| email | String |  |
| firstName | String |  |
| lastName | String |  |

1. ***Patient class***

|  |  |  |
| --- | --- | --- |
| Attribute name | Type | Brief Description |
| gender | char |  |
| dateOfBirth | date |  |
| postalCode | String |  |
| phoneNo | String |  |
| healthNo | String |  |
| maritalStatus | Boolean |  |
| occupation | String |  |

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 |  |