Database Management Module Classes

DMS-KFS

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| --- | --- |
| **Color** | **Description** |
| Red | This property or method is private |
| Blue | This property or method is protected |
| Green | This property or method is static |
| Black | This property or method is public |
| \*\* | This property is a const |
| >> | This Method is abstract |

1. Validation Manager

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| --- | --- | --- |
| Property | Data Type | Description |

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| --- | --- | --- | --- | --- |
| Method | Arguments | Return Type | Description | Possible Exceptions |

1. Validation Constants

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| --- | --- | --- |
| Property | Data Type | Description |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Arguments | Return Type | Description | Possible Exceptions |

1. Validator--Interface

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| --- | --- | --- |
| Property | Data Type | Description |
| isErrorPresent | Boolean |  |
| Error | String |  |

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| --- | --- | --- | --- | --- |
| Method | Arguments | Return Type | Description | Possible Exceptions |
| Validate>> |  | Boolean | Checks whether a validator object is valid or not by calling all of the object validating methods depending on defined rules |  |
| getError>> |  | String | If there is any errors it gets them |  |

1. PersonValidator : Validator

|  |  |  |
| --- | --- | --- |
| Property | Data Type | Description |
| personToValidate | Person |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Arguments | Return Type | Description | Possible Exceptions |
| checkName |  | Void | Update isErrorPresent and Error to reflect error message |  |
| checkEmail |  | Void | Update isErrorPresent and Error to reflect error message |  |
| checkInstitution |  | Void | Update isErrorPresent and Error to reflect error message |  |

1. FileValidator : Validator

|  |  |  |
| --- | --- | --- |
| Property | Data Type | Description |
| fileToValidate | File |  |

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| --- | --- | --- | --- | --- |
| Method | Arguments | Return Type | Description | Possible Exceptions |

1. FolderValidator : Validator

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| --- | --- | --- |
| Property | Data Type | Description |
| FolderToValidate | Folder |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Arguments | Return Type | Description | Possible Exceptions |