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| --- | --- | --- |
| Use Case Number | MA01 | |
| Use Case Name | Connecting to Database | |
| Actor(s) |  | |
| Basic Flow | System Response |  |
|  | Step 1: Connect to Database |  |
|  | Step 2: Retrieve data from faculty and subject’s database |  |
| Alternative Flow |  |  |
|  |  |  |
| Precondition |  | |
| Post condition |  | |

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| --- | --- | --- |
| Use Case Number | MA02 | |
| Use Case Name | Display retrieved Data | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  |  | Step 1: Display data from the retrieved database |
|  | Step 2: Checks necessary data needed on the matching algorithm |  |
| Alternative Flow | Admin searches a specific subject | System displays matched subjects |
|  | Admin sorts subjects | System sorts subject |
|  | Admin searches invalid subject | System displays error message |
|  | Admin searches faculty members | System displays faculty members list |
|  | Admin sorts faculty members | System sorts faculty members |
|  | Admin searches invalid faculty member | System displays error message |
|  | Admin searches a specific term | System displays a drop down list for the term |
|  | Admin clicks a term with no data | System displays error message |
| Precondition | Retrieved subject offerings from Registrar. | |
| Post condition | Admin was able to view subject offering. | |

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| --- | --- | --- |
| Use Case Number | MA03 | |
| Use Case Name | Get tagged faculty and subjects | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  | Step 1: Tag faculty and subject for next term |  |
|  |  | Step 2: Get tagged faculty and subjects |
| Alternative Flow |  |  |
| Precondition |  | |
| Post condition |  | |

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| --- | --- | --- |
| Use Case Number | MA04 | |
| Use Case Name | Assigning faculty as a member variable using foreach loop | |
| Actor(s) |  | |
| Basic Flow | Actor Action | System Response |
|  |  | Step 1: Each faculty will be assigned to member variable |
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| Alternative Flow |  |  |
| Precondition |  | |
| Post condition |  | |

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| --- | --- | --- |
| Use Case Number | MA05 | |
| Use Case Name | Assigning subjects to subject variable | |
| Actor(s) |  | |
| Basic Flow | Actor Action | System Response |
|  |  | Step 1: Each subject will be assigned to subjects variable |
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| Alternative Flow |  |  |
|  |  |  |
| Precondition |  | |
| Post condition |  | |

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| --- | --- | --- |
| Use Case Number | MA06 | |
| Use Case Name | Checking of specialization of each faculty | |
| Actor(s) | Admin | |
| Basic Flow | Actor Action | System Response |
|  |  | Step 1: Checks the faculty’s specialization if it matches to the subject table |
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|  |  |  |
| Alternative Flow |  |  |
| Precondition |  | |
| Post condition |  | |