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| **Use Case Number** | UC01 | |
| **Use Case Name** | Admin authentication | |
| **Actor(s)** | Admin | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** Admin types his username and password    **Step3**: Admin clicks the Login button | **Step1:** System displays the login page        **Step4**: System displays Dashboard |
| **Alternate Flow** | 1. **At Step3:**  If the username and password did not match  2. At Step3: If one of the fields is left blank | System will display message **(EM01)**  System will display message **(EM02)** |
| **Precondition** | An admin account must exist in the database | |
| **Post condition** | Admin was able to log in and view the reports in the dashboard | |
| **Special Requirements** | The data that will be supplied for the values must be correct  Required fields must be filled with not null values | |

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| **Use Case Number** | UC02 | |
| **Use Case Name** | Admin views the report | |
| **Actor(s)** | Admin | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** Admin views the reports | **Step1:** System displays the admin dashboard |
| **Alternate Flow** |  |  |
| **Precondition** | The admin must accomplish the log in process | |
| **Post condition** | The admin successfully views the reports | |
| **Special Requirements** |  | |

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| **Use Case Number** | UC03 | |
| **Use Case Name** | User registration | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User types his username, email and password    **Step3**: User clicks sign up | **Step1:** System displays the homepage        **Step4**: System displays successful message. |
| **Alternate Flow** | 1. **At Step3:**  If one of the fields is left blank  2. If the username or email is already registered to the database | System will display message **(EM01)**  System will display message **(EM03)** |
| **Precondition** | The user wants to register | |
| **Post condition** | User was able to create an account | |
| **Special Requirements** | The data that will be supplied for the values must be correct  Required fields must be filled with not null values | |

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| **Use Case Number** | UC04 | |
| **Use Case Name** | User authentication | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User types his username, email and password    **Step3**: User clicks sign up | **Step1:** System displays the homepage        **Step4**: System displays user timeline |
| **Alternate Flow** | 1. **At Step3:**  If one of the fields is left blank  2. If the username or email is already registered to the database | System will display message **(EM01)**  System will display message **(EM03)** |
| **Precondition** | The user must have an account | |
| **Post condition** | User was able to log in | |
| **Special Requirements** | The data that will be supplied for the values must be correct  Required fields must be filled with not null values | |

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| **Use Case Number** | UC05 | |
| **Use Case Name** | User subscribes to another user | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User subscribes to one of the users | **Step1:** System shows a list of recommended users in the timeline |
| **Alternate Flow** |  |  |
| **Precondition** | The user must be on his timeline to view the list | |
| **Post condition** | The user successfully subscribes to one of the users | |
| **Special Requirements** |  | |

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| **Use Case Number** | UC06 | |
| **Use Case Name** | User creates a post | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User types a post on the text box  **Step 3**: User clicks the “Shout” button | **Step1:** System displays the timeline      **Step4**: System displays the new post |
| **Alternate Flow** | At Step 3: If the user did not click the “Shout” button | The message will not be posted on his timeline |
| **Precondition** | The user must accomplish the log in process | |
| **Post condition** | User was able to create a new post | |
| **Special Requirements** | The text field must be filled with not null values | |

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| **Use Case Number** | UC07 | |
| **Use Case Name** | User views posts | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** Users reads the current feeds on his timeline | **Step1:** System displays user timeline |
| **Alternate Flow** |  |  |
| **Precondition** | The user must accomplish the log in process | |
| **Post condition** | User was able to view the posts on his timeline | |
| **Special Requirements** | The user must have an account | |

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| **Use Case Number** | UC08 | |
| **Use Case Name** | User comments on a post | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User views the posts    **Step3**: User comments on a post | **Step1:** System displays the timeline        **Step 4:** System will display the user’s comment on the post |
| **Alternate Flow** |  |  |
| **Precondition** | The user must accomplish the log in process | |
| **Post condition** | User was able to post a comment | |
| **Special Requirements** | The user must have an account | |

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| **Use Case Number** | UC09 | |
| **Use Case Name** | User updates his profile information | |
| **Actor(s)** | User | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** In the navigation bar, user chooses profile setting  **Step 4**: User edits his information  **Step 5**: User clicks “save changes” | **Step1:** System displays the homepage      **Step4**: System displays profile setting  **Step 6**: System updates the information of the user |
| **Alternate Flow** | Step 5: If the user does not click “save changes” | System will not save any updates on the user information |
| **Precondition** | The user must accomplish the log in process | |
| **Post condition** | User successfully updates his profile information | |
| **Special Requirements** |  | |

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| **Use Case Number** | UC10 | |
| **Use Case Name** | System detects a cyberbullying event | |
| **Actor(s)** | System | |
| **Basic Flow** | Actor Action | System Response |
| **Step 1:** User creates a post or a comment in his timeline | **Step 2:** System classifies if the post pertains to cyberbullying or not |
| **Alternate Flow** |  |  |
| **Precondition** | The post or comment must exist | |
| **Post condition** | The system successfully detects a harmful post or comment | |
| **Special Requirements** |  | |

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| **Use Case Number** | UC11 | |
| **Use Case Name** | System reports a cyberbullying event | |
| **Actor(s)** | System | |
| **Basic Flow** | Actor Action | System Response |
| **Step 1:** User posts a message or comment in his timeline | **Step 2:** System classifies if the post pertains to cyberbullying or not  **Step 3:** System detects that the post is harmful  **Step 4**: System generates a report to the admin  **Step 5**: System displays the new post in the user’s timeline |
| **Alternate Flow** |  |  |
| **Precondition** | The post/comment must be classified as cyberbullying | |
| **Post condition** | The system generates a report regarding the cyberbullying event to the admin | |
| **Special Requirements** |  | |