| **Use Case Identification and History** | | | |
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| **Use Case ID:** | 1 | | |
| **Use Case Name:** | Sign-Up | **Version No:** | 1 |
| **Description** | This use case describes how a new account is made by a user to either vote or create votes. | | |
| **User/Actor:** | New User | | |
| **Trigger:** | A new user approaches the site with intent to interact outside of just viewing any currently running votes. | | |
| **Frequency of Use:** | High Frequency, most common interaction with the site. | | |

| **Preconditions** |
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| * System doesn’t have an account presently for user wanting to interact * New user is connected to the site on a device. |

| **Main Flow** | | |
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| **Step** | **User Actions** | **System Actions** |
| **1** | User connects to the site on any smart device. | Server sends website data, presenting the main page with the current vote. |
| **2** | User interacts with the “Sign-Up” option in the navigation menu. | Server send Sign In page, with an option for a username and a password (with confirmation) |
| **3.1** | User enters a desired username and password, as well as selecting an option to be a Voter or an Admin, pressing the “Register” option on the form | Server registers new user data in SQL database, redirecting the user to the login page. Sign up is complete, and the user next completes User Case 2, step 2. |

| **Exception Flow** | | |
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| **3.2** | See User Actions 3.1 | Server detects a present value with the same username already present in the database, or the value of the username is invalid, and redirects the user back to the sign-up page with an error. |
| **2** | User reads the error and adjusts their username accordingly, pressing “Register” | See System Actions 3.1 |

| **Post conditions** |
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| 1. User now has an account they can log into for their desired intent, either as an admin or voter. 2. The user is on the login page, ready to log into said account. |

| **Other Notes (Assumptions, Issues,)** |
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| **Assumptions:**   * 1. **The user is able to access the website without issue from a browser of some kind.**   2. **The server hosting the site is accessible.**   **Issues:**   * 1. **If a user makes the wrong kind of account by mistake, how do we fix it outside of manual SQL table editing? (We should probably consider the U part of CRUD, Update. This can and should be done by users.)** |