**Student Policies Voting System**

**Requirements**  
  
- The application displays policies from all users sorted by descending academic year.

- Users/Guest can filter policies by academic years.

- Signup/sign in for new or existing users control.

- Guests can browse policies, but cannot add a new policy or vote

- Only users can contribute the function for voting, submit new policy.

- Each policy is managed by category, title, description, submitted user and vote (upvote/downvote) data.

- A policy can be up-voted or down-voted by users at once per policy.

**User Story Acceptance Criteria**

For a guest,

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| As a guest,  I can browse student policies. | - Guest can browse student policies.  - Guest can filter student policies by every academic year.  - Guest cannot upvote or downvote at student policies.  - Guest cannot add new student policies.  - Guest can sign up to become user. |

For a registered user,

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| As a user,  I can login and so that I can vote every desire student policies. | - User can login to student policies voting system.  - User can filter student policies by every academic year.  - User can upvote or downvote every other desire once per policy.  - User can submit new policies.  - User can upvote or downvote to policies of they owned. |

For newly signup user,

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| As a new user,  I can sign up to become user, so that I can vote every desire student policies. | - New user can sign up by giving email and password to become a user.  - Email and password are mandatory to complete sign up.  - After signing up is complete, new user can log in by using email and password.  - After log in, user can use as a registered user. |

For submitting new policy,

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| As a registered user,  I can submit a new policy to student policies voting system. | - User can submit new policy after log in.  - All the fields (title, description, category and date) are mandatory to submit.  - Else error will be shown.  - After submitted, new policy can be seen at home screen and can receive voting from any others. |

**Main Flow**

For a guest,

User Action : Guest visits the Student Policies page.

System Response : Displays a list of all student policies.

User Action : Guest selects an academic year to filter policies.

System Response : Filters and displays policies for the selected year.

User Action : Guest attempts to upvote, downvote, or add a policy.

System Response : Displays a message: "Login required."

User Action : Guest clicks Login.

System Response : Redirects to the Login page.

User Action : Guest clicks Sign Up.

System Response : Redirects to the Sign-Up page.

For a registered user,

User Action : User clicks Login and enters email and password.

System Response : Verifies credentials and logs in the user.

User Action : User filters policies by selecting an academic year.

System Response : Displays policies for the selected year.

User Action : User clicks Upvote or Downvote on a policy.

System Response : Registers the vote and updates the policy.

User Action : User submits a new policy.

System Response : Validates inputs and adds the policy to the list.

User Action : User votes on their own policy.

System Response : Accepts the vote and updates the policy.

For newly signup user,

User Action : New user clicks Sign Up.

System Response : Displays the Sign-Up form.

User Action : New user fills in email and password and submits.

System Response : Validates inputs, creates the account, and shows a success message.

User Action : New user browse policy at home page.

System Response : Show the all policies at home page.

User Action : user votes or submits a policy.

System Response : Processes the actions as a registered user.

For submitting new policy,

User Action : User logs in and clicks Submit Policy.

System Response : Displays the policy submission form.

User Action : User fills in title, description, category, and date and submits.

System Response : Validates inputs, adds the policy and displays it on the home screen

User Action : Vote on the new policy.

System Response : Updates the policy score with each vote.

**Class Diagram**

**A diagram of a computer

Description automatically generated**

**Sequence Diagram**

**A screenshot of a computer screen

Description automatically generated**