

SSAD Contribution Document

Team Members:

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Features Implemented:

- Home Page (Aanshul Sadaria):
 - 1) Created a homepage for the project.
 - 2) Webpage is responsive.
 - 3) Has a navigation bar to navigate to different sections of the experiment.
- Conceptual Part (Krutam Hathi):
 - 1) Developed conceptual part of the experiment
 - 2) Meters to dynamically change the amount of solvent and solute in the experiment.
 - 3) This change is reflected in 3 places.
 - a) An enhanced view of the solution.
 - b) An overall view of the solution.
 - c) A graph which displays the solution's properties.
- Experimental Part (Shovan Swain):
 - 1) Developed experimental part of the experiment
 - 2) A more interactive and user-friendly implementation.
 - 3) User can drag items from "Inventory" into the "Workspace".
 - 4) Properties sidebar shows current properties and methods of the selected item.
 - 5) Items can interact with each other, like:
 - a) A pipette can add or remove water from the beaker dynamically.
 - b) Burner can heat the solution in the beaker. (Obeys all physical laws of heating and cooling)