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| PROGRAM: | Computer Science | | | | |
| PROJECT TITLE: | Visual Algebra | | | | |
| GROUP MEMBERS: | Gideon Buckwalter  Jacob Mitzel  Josh Fisher  Toan Nguyen  Eric Koskovich | | | | |
| ADVISER(S): | Dr. Hyuntae Na | | | | |
| PROJECT DESCRIPTION:  (50 – 100 WORDS) | A web-based expression manipulation system which gives students a visual, interactive environment to learn about the properties of algebraic expressions. The system uses a custom visual algebra which removes traditional mathematical notation.  Users can freely manipulate expressions or work toward a goal expression. There will be an AI that can give students hints on what the next step should be. Users will be able to create problems which consist of a starting expression and a goal expression, and can share problems with other users. With an account, users will be able to group problems to form lessons, and share links to lessons. | | | | |
| SPONSOR (S): | N/A | | | | |
| SPONSORSHIP LEVEL:  (CHECK ONE) | Platinum  $10,000+ | Gold  $7,500+ | Silver  $5,000+ | Bronze  $2,500+ | Friends of PSH  Below $2,500 |
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