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| Aloguage | Rating | Initials |
| Users will be able to choose from 6 different sorting algorithms. The sorting algorithms that users will be able to choose from are, Quick, Bubble, Merge, Insertion, Heap, Selection. |  |  |
| Users will be able to choose between sorting and hashing algorithms. |  |  |
| User starts with 2 algorithm comparison components |  |  |
| User can select more components, 1-4 |  |  |
| Once an algorithm is selected, the user will be provided an optional link to see a screenshot of the code and a description of it |  |  |
| When selected, each algorithm component will have its own slider for the array size. |  |  |
| Algorithms components will have a data sorting options dropdown. The dropdown will have the following options: Full random, partial sort, groups sorted, full sort, reverse sort, and repeats |  |  |
| User is required to enter a name. That name is associated with the jobs run, and the jobs will not run without a provided name |  |  |
| User clicks a Run button that puts their tests in a queue and redirects them to a results page with a queue modal |  |  |
| User is informed that an identical test has been run before upon running a new test, if one is found in the database. User is then given an option to either run anyway or see results of the previously run test |  |  |
| If a user runs 30 tests in a day, they are prevented from running more. They are given the option to see test history instead. |  |  |
| Once their tests are submitted, user sees a queue with their tests highlighted, attached to their name. The other names and tests in the queue are shown along with their position. |  |  |
| User can see a history page with other test results |  |  |
| History is searchable/filterable by test type, name, or result |  |  |
| Once tests complete, user sees results with the fastest test indicated; NOT with red vs green |  |  |
| User has the option to see code without choosing an algorithm test |  |  |
| User can see information about Brad and his life |  |  |