|  |
| --- |
| Prescribed Criteria |
| Build a web application that challenges a high school student solve a traditional cipher algorithm puzzle |
| Generate a random cryptography problem and render this to the screen |
| Input the users answer to the cryptography problem |
| Check the answer to the problem against the solution, and provide appropriate feedback |
| If the answer is unreadable, the web application should recover safely to the previous page |
|  |

|  |
| --- |
| Self-Determined Criteria |
| Develop a profile and login system so that users can track their stats |
| Generate a leaderboard that ranks individual users globally, and provides an overall rating using a *ranking* algorithm: *rank = (difficulty \* accuracy) / number of questions* |
| Register and host the site at codepuzzlebreakers.com |
|  |