**Appendix 2: Testing Plan**

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| **Test type** | **Nature of test** | **Example** | **Expected outcome** |
| *Navigation bar test* | Checking if the links redirect the user to right pages | The user clicks the "About" link | The user is redirected to the "About" page |
| *Home button test* | Checking if the home link is working | The user clicks the "Hub" link | The user is redirected to the home page |
| *Leaderboard test* | Validation of the leaderboard generation | The user goes to the leaderboard page | The leaderboard is fully filled in and displays correct and valid data |
| *Math display test* | Checking for MathJax rendering on the Resources page | The Resources page is opened | The math is rendered correctly and is clickable and selectable |
| *Links redirects* | Checking for broken links or duplicating links | The user goes to one of the websites linked in the main page | The user is redirected to the needed page |
| *Leaderboard redirects* | Testing the correctness of leaderboard links redirects | The user clicks a leaderboard card | The user is redirected to a Codeforces profile of the competitor specified on the card |
| *Adaptivity test* | Checking the website look on mobile devices | The user opens the website on a mobile device or a tablet | The website and the leaderboard are rendered and working correctly without accessibility and usability issues |