AliBaba Testing

Software quality and testing project by:

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Description

'AliBaba' is the company that owns the largest and most famous e-commerce website in China and internationally. This website, in addition to having a huge number of products that it offers, also offers a huge number of other services and functionalities for buyers and sellers. Our goal was to create **UI** and **Performance** tests with **'Selenium'** and **'JMeter'** tools for the website. The full implementation and reports is given in the following link:

https://github.com/nikolaStanojkovski/AliBaba_Testing

1. UI Selenium Testing

The UI Testing was done using the 'Selenium' front-end testing tool. There are a total of 10 most important pages of the site that were tested along with their most important functionalities and display: **Login** and **Registration** page, **Home** page, **Categories** and **Subcategories** pages, **Filters** page, **Products List** and **Specific Product** pages, as well as **Help** and **Regional Settings** pages. There are a total of **108 tests**.

2. Performance Testing

For the performance testing we used 'jMeter' tool. The performance testing for **Alibaba.com** website was done with comparison to its closest rival **Amazon.de**. Why did we test both websites? - In order to say if a performance of one website is good or not we need to compare it with a similar website and execute the same endpoints on both websites. We did thee major executions on both websites: **Access Home Page**, **Access Search Term**, **Execute Login.** These three major executions were compared with a different number of simultaneous users, specifically we executed using only one user, using 10 simultaneous users, using 100 simultaneous users and using 1000 simultaneous users. And finally we compared the results in order to say what are the performances of Alibaba compared to another similar website.