

Test Protocol for News Summary Project

Protocol:

- What is to be measured
- What is to be inferred from measurements? What is to be tested?
- What deviation is acceptable

Test Ideas:

- Unit Test
 - News fetching
 - Is the latest news always taken
 - Summarization of text (ML)
 - UI
 - Does displaying text work
 - Is an image displayed properly
 - Is it possible to create a text area that is big enough to contain the whole text
 - Can the text in a text area be used as an input
 - Do buttons lead to the desired result when clicked
 - Does the sidebar show every page
- Integration Test
 - Summarization of fetched news
 - Displaying fetched news in UI
 - Self summary
 - Get input from a text area
 - Summarize the input
 - Display the summary
 - Displaying summarized news in UI
 - Is it possible to display a text
 - Is it possible to display the content of a file
 - Is it possible to get specific elements of a .json file
 - Caching
 - Can the latest news be cached correctly
- System Test
 - Testing the system as a whole

- Successful results verifies the customers/users needs (interface to usability test)
 - news article as an input and its output is the summarized version of it
- Tasks included:
 - Testing the UX (see: Usability Test)
 - All possible inputs should provide the expected output under different circumstances, e.g. Input: News-article, Output: Summary of it
 - Looking for possible errors and crashes them at all places of the system
 - Efficient and performant system -> it doesn't take long for getting expected output
 - Software runs while connected to the internet (web-app)
- Acceptance Test (strategy: usability test)
 - Tasks for users (other students) and questionnaire for evaluation
 - Tasks include: pasting a text and checking for the result, going through a category and looking at the given summary, opening an article from the rss feed.
 - The questionnaire will ask how the interaction with the website was and if the users were satisfied.