1. Testing API using curl

**Link to the tool:** <https://curl.haxx.se/>

1-abstract:

curl is used in command lines or scripts to transfer data. It is also used in cars, television sets, routers, printers, audio equipment, mobile phones, tablets, setup boxes, media players and is the internet transfer backbone for thousands of software applications affecting *billions of humans* daily.

2-advantages:

## Used for download

## Used for testing API

## 3-disadvantages:

## Manual testing

* Using command line

4-comparasion:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Testing tool | Automated testing to increase productivity | Gui testing | Used for download | Used for testing api |
| Curl | ✘ | ✘ | ✔ | ✔ |
| Our testing tool | ✔ | ✔ | ✘ | ✔ |

1. Team Collaboration using slack

**Link to the tool:** <https://slack.com/intl/en-gb/>

1-abstract:

Slack is a collaboration hub that can replace email to help you and your team work together seamlessly. It’s designed to support the way people naturally work together, so you can collaborate with people online as efficiently as you do face-to-face.

In Slack, team members send messages and share file in channels. Create channels for teams, projects, office locations, or anything else that’s relevant to your organization.

2-advantages:

## Organized conversations

## Connected apps

## Slack Calls [video and audio]

## 3-disadvantages:

## Inner tools help team to get work done not available in slack

* The project manager does not have a specific way to manage the project in a special way to know what happens in a particular project, he has to read all the chat and draw conclusions.

4-comparasion:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Tool | chat | calls | Connected apps | Inner tool to increase productivity | Monitoring team work and collect data to help manager make dictions | Channel’s or project | Project area |
| Slack | ✔ | ✔ | ✔ | ✘ | ✘ | ✔ | Generic |
| Our platform | ✔ | ✘ | ✘ | ✔ | ✔ | ✔ | Software Engineering filed |

GENERATING DOCUMENTATION FROM TESTS

**Pub. No**.: US 2012/0102458 A1 **Pub. Date**: Apr. 26, 2012

**Inventors**: Erik Meijer etl.

1. abstract:

A documentation system is described herein that automatically generates documentation for software code from tests that verify the correct operation of the software code. Software development teams often write automated tests (software that tests the software being shipped), such as unit tests.

When written correctly, these tests are a written contract of what the Software is Supposed to do. The documentation system can use static and dynamic analysis in combination with annotations in the test code to extract the contract from these tests and leverage the extracted information to automatically generate the documentation. The system can then display this information in a textual graphical way. Thus, the documentation system generates documentation that more accurately reflects how software code is expected to operate, without introducing significant burdens into the Software development cycle.

1. advantages:

* automatically generate docs
* make use of passed tests cases as inputs to doc engine
* no need to write doc manually

1. disadvantages:

* Often the product is developed in multiple versions. Each version has documents in this tool there is no version management and control.
* This tool has the task of receiving an entry as data and producing a document as output without of care of continuous delivery of documents.

1. Comparison:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tool** | **Auto generation** | **Passed test cases as input** | **Version control** | **Continues delivery and integration** |
| **Our tool** | **✔** | **✔** | **✔** | **✔** |
| **This tool** | ✔ | ✔ | ❌ | ❌ |