**A Survey on CASE Tools and Environments**

**Assignment 1**

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**Student Name:** **Number:**

**Questions**

1. **Make a list of all software development tools that you have used. [1 point]**
   1. **Classify them as stand-alone or integrated tools.**
   2. **Which activities/task of the software life cycle each one of them supports?**

Stand-alone Integrated

Coding: Python,Java,Javascript Eclipse, Pycharm,

C/C++,Ant, Maven,html, Visual Studio, vim,

Css, Angular.JS, Ajax, Sublime

Bootstrap

Design: UML StartUML

Debugging: Pylint, log4j

Collaboration: Git/Github

Processing: Xampp, Apache Server, Ngnix, Tomcat

Database: Mysql, Oracle, SqlServer

MongoDB, Redis,

1. **Gather information on at least five CASE tools/environments. [4 points] Develop a matrix that compares some their features. For example, which life cycle phase is supported (requirements, design, implementation, testing, management), which application domain or system profile is relevant, etc. Hint: you may need to browse sites like these: http://www.csci.csusb.edu/dick/samples/tools.html http://www.softdevtools.com**

**<http://www.softwareqatest.com/index.html>**

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| --- | --- | --- | --- | --- | --- |
|  | Git | UML | Eclipse | JIRA | Creative Pro Office |
| Life Cycle | Management | Requirements & Design | Implementation & Testing | Management&Testing | Management |
| Application | Academic, Development | Process Modeling, Requirement Analysis | Programming,  Development,  Testing | Issue tracking and Project management  Business | Project Management  Business |
| Dependency | independent | integrated | integrated | integrated | independent |
| Users | multiple | alone | alone | multiple | multiple |
| System | Unix/Linux/Windows | Unix/Linux/Windows | Unix/Linux/Windows | Unix/Linux/Windows | Unix/Linux/Windows |