**Evaluation Criteria**

Ease of Installation:

* How easy is it to install each CI
* ***The user can create an account with github, no install needed or server required. User can upload a .travis.yml file to the github repository to be built. Configuration issues plagued me when I was installing Travis as I was getting an ant test error, which through some digging is to do with Travis not having the correct test environment enabled on their server.  
    
  I then had issues with project compliance, as Travis seems to only support specific JDK environments, and my JDK 10 was an invalid target release***

How Intuitive is it:

* Is it GUI Based or Terminal based?
  + *Gui based*
* If it’s GUI based:
  + How difficult is it to navigate
    - Does it have a lot of sub-menus
      * *Not a huge amount of submenus. Layout is basic but descriptive. Ability to run different tests from different projects at once.*
    - If you make a mistake how easy is it to revert?
      * *Travis provides you with the git hash to revert to the last successful build, but it does not have an in built feature for rollback.*
  + Does it cause visual overload?
    - *No it does not – Very simple interface – Almost too simple.*
  + How is the look and feel

*The CI feels a bit too simple, not enough customizability or awareness as to what’s happening.*

* If it’s Terminal based
  + Are the commands well documented?
  + Are the commands verbose?
  + Are the parameters clear and understandable?

Is it well documented:

* Do all the functions of the CI have relevant documentation?
  + *There is a lot of documentation for the various parts of Travis CI, but a small bit more in depth language specific tutorials would be welcome.*
* Is the documentation comprehensive?
  + - *A few more examples as to setting up Travis specifically for a java based project would be convenient. There was not enough awareness about the ant build errors that I was getting, nor how to properly prepare for them in your own project.*
* Is the documentation useful?
  + *I found the documentation useful to a certain extent, until I came across the ant-build and ant-test issues, where I had to visit stack overflow to troubleshoot the setup of the project.*
* Is each piece of documentation easy to understand?
  + *While the documentation is not entirely comprehensive, it was easy to understand and to get a feel of what I was doing in the CI.*

How quick is it to build and test?

* My builds tended to take around 20 seconds from the time the dashboard on the Travis CI website discovered my push to Github. As I’ve not used a CI before I couldn’t base my findings against other CI’s just yet. But it didn’t feel extraordinarily quick. Especially after the setup took longer than expected with the ant run issues.

Is it open or closed source?

* Travis CI is a closed source CI, however it supports open source projects by providing the CI for free, with a paid plan for the closed source projects that are built on travis’ servers.

What are the system requirements:

* Does it require much memory?
  + None
* Does it require much disk space?
  + The only part of travis hosted locally is the .travis.yml file which is negligible in size.

What operating systems does it support

* + Travis CI is not run locally which means it is OS independent. However, the build environments used
* Can it be hosted locally?
  + No. The only part of travis hosted locally is the .travis.yml file which is negligible in size.
* Can it be hosted remotely?
  + Travis is entirely hosted on their own servers + github. (except for the local copy of the .travis.yml file in your project specific folder)

How well does it scale:

* Does it work well for small scale projects?
  + Yes, Travis does work well for small scale projects due to low overheads.
* Does it work well for large scale projects?
  + If you’re building a large open source project on Travis, Travis will limit your resources for non paying customers. Which means that it can take some time before tests start running/are completed.