Self-learning topic proposal

Primary/Computing Tool Domain: Software Development

Domain of Application Topic: Logistics - Staff Management and Team Communication

Jira

Description
Jira was developed by Australian company Atlassian. It facilitates a software development team to work on bug tracking, issue management and project management.

Why is this relevant:
As I have chosen to do Software Development as my second major, this platform could be very relevant to me in any future group projects that revolve around this domain.

Why will this be beneficial?
It will help me improve on the areas which I have previously outlined (multitasking, written/typed communication & to a lesser extent programming). This development of skills will be vital as I move through my software development major.

	Outcomes	Description of what will be delivered	Included Artifact
Level 1 - Basic Application	I will be able set up a Jira domain. Within this domain, I will be able to add a team member, and add a Git repository (as well as push code through to this repository, such that it can then be managed through my Jira domain). Furthermore, I will be able to use the roadmap and project board to schedule tasks and move them between each stage (to do, in progress and complete) to show how a task can be issued, worked on and reviewed by different members of a team.	A report outlining the steps involved in learning how to and actually how I set up the domain, added team member(s) and added a Git repository and subsequently pushed code to the repository into the Jira domain. In addition to this, I will describe how I was able to learn how to utilise Jira from the perspective of different Software Development team members and how the use of Jira potentially helped or hindered their ability to effectively communicate and work towards their goal(s)	A link to my Jira domain, showing the project setup, added member(s), Git repository and pushed code. As well as showing the roadmap, project board, and tasks that have been worked on and reviewed. + Report
Level 2 - Basic Knowledge	I will understand how Jira allows for Software Development teams to interact when undertaking issue managemet within my chosen domain of application (logistics), and how this is more/less beneficial than individual communication between members of a given Software Development team. I will also understand how Jira adds depth in commiunication compared to using Git as a standalone tool within a Software Development team.	In addition to the above report, I will provide details as to the steps I took to learn this information, analysis on the benfits/drwabacks of Jira and how it compliments the use of Git by improving communication and task managing for any given Software Development team. in addition to this, I will also provide a SWOT analysis of Jira to better understand its benefits/drawbacks.	Report (including SWOT analysis)
Level 3 - Advanced Application	I will be able to use Jira and Confluence concurrently in order to maximise efficiency within Jira. I will teach myself to set up a Confluence space and create pages which can then be linked to my Jira domain. I will also be able to use Confluence to help organise multiple Jira projects.	In addition to the above report, I will explain how I taught myself to set up a Conlfuence domain, including all the important features (spaces, pages etc.). I will also outline how I learnt to orgainse Jira project by using pages to allocate team members to different projects and specific issues within those projects (by linking the issues from Jira). Moreover, I will be able to explain the organisational benefit of having multiple Jira projects managed through one Confluence space.	A link to my Confluence domain with an overarching space containing multiple pages that each represent a Jira project (similar to the one provided in level 1) + Report
Level 4 - Advanced Knowledge	I will understand how Jira is used within the boundaries of a large coporation, split up into many smaller teams with separate projects, with each team having multiple projects. Furthermore, I will understand how effective it is/can be for a large coporation to use Jira in such a capacity. I will also be able to discuss the benefits/drawbacks (and security risks) of public domains/projects. I will also seek to compare Jira to other issue management software (Asana, Rally, Trello etc.) and discuss where Jira is more/less beneficial then its counterparts	In addition to the above report, a report outlining my understanding of the process by which a large would operate a given Jira domain between multiple teams and projects, and a view on the possible benefits of public domains and projects. I will also discuss Jira's competiton, the similarities and differences between them, and where and when Jira is more suitable (i.e. in my given domain of application).	Report
Next step	Use Jira to access public domains and utilise the skills attained to view and work on projects as a team member.	An outline of how my previous learning of Jira has allowed me to undertake this task, and the relevent skills learnt that were needed to do this.	A link to the relevent Jira domain with a report that outlines my contribution, if any.

Resource	Link	Notes
Jira Tutorial	https://www.atlassian.com/software/jira/guides/getting-started/basics	A tutorial from the parent company, Atlassian, that should help me get a broad unsertanding of JIRA and its many functions
Atlassian Youtube	https://www.youtube.com/channel/UCL1yMVRMh3vxitPiVaXfkoA	Will have further informative videos on how to use Jira
Best practices for Jira	https://www.atlassian.com/software/jira/guides/getting-started/best-practices	A guide for how to use Jira to a high standard
Effective use of Jira	https://blog.hubstaff.com/jira-project-management-guide-beginners/	An outline of how to best utilise Jira effectively