Atlassian Tools

Lesson 3: Creating and Implementing Assignments

SOFTWARE GUILD

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Atlassian Tools

Java Cohort

Lesson 3: Creating and Implementing Assignments

Overview

This document outlines the important steps in creating and implementing code assignments for the course. It is intended to be a companion to the **Atlassian Tools**: **Creating and Implementing Assignments** video hosted in the course LMS.

Objectives

1   Create an **Issue** in Jira
2   Associate a Jira Issue with a BitBucket commit

Creating an Issue In Jira

Every assignment that you complete during the course will have one or more Jira work items associated with it. Each work item is called an **Issue** in Jira and every issue has a Type. There are several types of issues but we'll be using **Story** and **Bug** during the class.

Keep the following in mind as you work along with the video:

1   You must create a Jira **Issue** for each assignment in the course
2   Each Issue will be either a **Story** or a **Bug**

- A Story describes work that must be done to create a new piece of software

- A Bug describes work that must be done to fix an existing piece of software

3   Bigger projects will have many Stories and Bugs associated with them
4   Smaller projects may consist of just one Story
5   You will be pretty bad at estimating how much time it will take to implement a work item at first, but you will get better with practice
6   Make sure you click Start Progress when you start working on an issue

Implementing Hello World and Hello Guild

Keep the following in mind as you work along with the video:

1   Use either Java or C# and your language-specific IDE to implement Hello World and Hello Guild. No matter what IDE and language you use, it is critical that you create your project in the BitBucket repository you created for your individual work.
2   Make sure you introduce a bug in Hello World as outlined in the video.

Associating a BitBucket Commit With a Jira Story

For the system to work correctly, you must associate each BitBucket commit with a Jira Issue.

Keep the following in mind as you follow along with the video:

1   All BitBucket commits must be associated with a Jira Issue.

      a   To do this, the key of the Jira Issue must be the first thing in the commit message.

2   Each commit can only be associated with one Jira Issue.

      a   This means you must work on only one Story or Bug at a time

      b   You must check in the code associated with one Story or Bug before working on another Story or Bug.

3   Any given Jira Issue can have more than one commit associated with it. This means you can work on a Story, get to a good stopping point, and commit it to BitBucket (using the Issue key in the commit message). You can then come back later to finish the Story and commit that code to BitBucket (using the same Issue key in the commit message).

4   Don't forget to **Resolve** your Issues when you are done working on them.

      a   Choose a Resolution

      b   Update Time Spent

      c   Update Remaining Estimate