

# Continuous Integration

## Overview

Continuous Integration (CI) is one of the critical agile practices with significant impact on the software industry. You and your team should try to follow this practice as much as you can (with proper tool support). At the very least, you and your team should use an automated build process and develop an automated test suite and apply a workflow to enable a continuous integration process with automated regression tests.

**Purpose:** To discuss the tools the team use to support CI and to demonstrate the benefits of continuous integration in delivery of better software solution (more thoroughly tested, regular working releases, faster and easier finding and fixing of issues/bugs, etc.).

**Tasks:** As a team, set up the project with proper tools for CI and try to practice CI as much as you can in the one or two iterations of the final project. As an individual, you will reflect on your own experiences following this practice.

**Time:** This task should be starting as soon as you start the Construction phase (i.e., right after the conclusion of the Inception phase).

**Resources:** Your team members and the Internet.

## Submission Details and Assessment Criteria

You should create a personal (unique) document that shows your individual contribution to the team in selecting the right tools and adopting/following the CI practice. Note also that, typically TDD and CI work very well together (and most software developers would do them together). Thus it is important to reflect on this aspect of practicing these two practices in the context of your D/HD project with your own personal experiences and evidences.

Capture your **individual contribution details** and your **personal reflection on the experiences** gained through this practice in a document and submits the report.