

Deliverable 4 – Release Pipeline Plan

The report for this deliverable contains the release pipeline plan for the project (including details of the integration, build, and deployment phases) as well as an update of the work plan. The key topics that the release pipeline plan should address include:

- An overview of the flow of code changes through the release pipeline phases
- A description of how each phase of the release pipeline is implemented
 - Tools used to implement each phase
 - Design of the phase specifications
 - Rationale for design choices

1 Release Pipeline Plan

As discussed in class, there are three core phases in a release pipeline: integration, build, and deployment. Your release pipeline plan explains how each phase is implemented by your group for your desktop/laptop app, mobile app, and web app. After reading the document, a reader must have a clear understanding of how code changes enter your code base, how the code base is compiled and automatically tested, and how a release is packaged. In addition, describe the tools used to support each phase in your pipeline. Last but not least, your plan presents rationale to support your design choices.

2 Updated Work Plan

Your updated work plan shows any changes to the previous work plan, i.e., the updated work plan shows the previous entries as well as the updated entries. The work plan must define the completed and remaining iterations of your implementation until the final deliverable at the end of the term. For each completed iteration, indicate which requirements were addressed, report the effort needed to complete the iteration, and the date when the iteration was completed. For each upcoming iteration, indicate which requirements are addressed, provide an estimate for the effort needed to complete the iteration, and the date when the iteration is to be completed.

Submission

The project is to be done in the same teams of FOUR or FIVE students as for the previous deliverables. For Deliverable 4, your team is required to hand in the **report** by **Monday, March 28, 2016 23:30**. The report must be either an MSWord file or a PDF file. If you are using an application other than MSWord, convert your report first to either a PDF file or a DOC(X) file.

Each team member must make contributions to the deliverable. A team member who does not contribute to the deliverable receives a mark of 0 for the deliverable. A team member may optionally email a confidential statement of work to the instructor before the due date of the deliverable. A statement of work first lists in point form the parts of the deliverable to which the team member contributed. In addition, the statement of work also describes whether the work load was distributed fairly evenly among the team members. A statement of work may be used to adjust the mark of a team member who is not contributing sufficiently to the deliverable. It is not necessary to send a statement of work, if a team distributed the work for the deliverable fairly evenly and each team member contributed sufficiently.

Marking Scheme

<i>Part of Assignment</i>	<i>Marks</i>
Release Pipeline Plan:	90
Description of Integration Phase (including tool support)	25/90
Description of Build Phase (including tool support)	25/90
Description of Deployment Phase (including tool support)	25/90
Rationale of Design Choices	15/90
Work plan for completed and remaining iterations	10
Total Marks:	100
The total mark may be adjusted based on the actual contributions of a team member to the deliverable.	