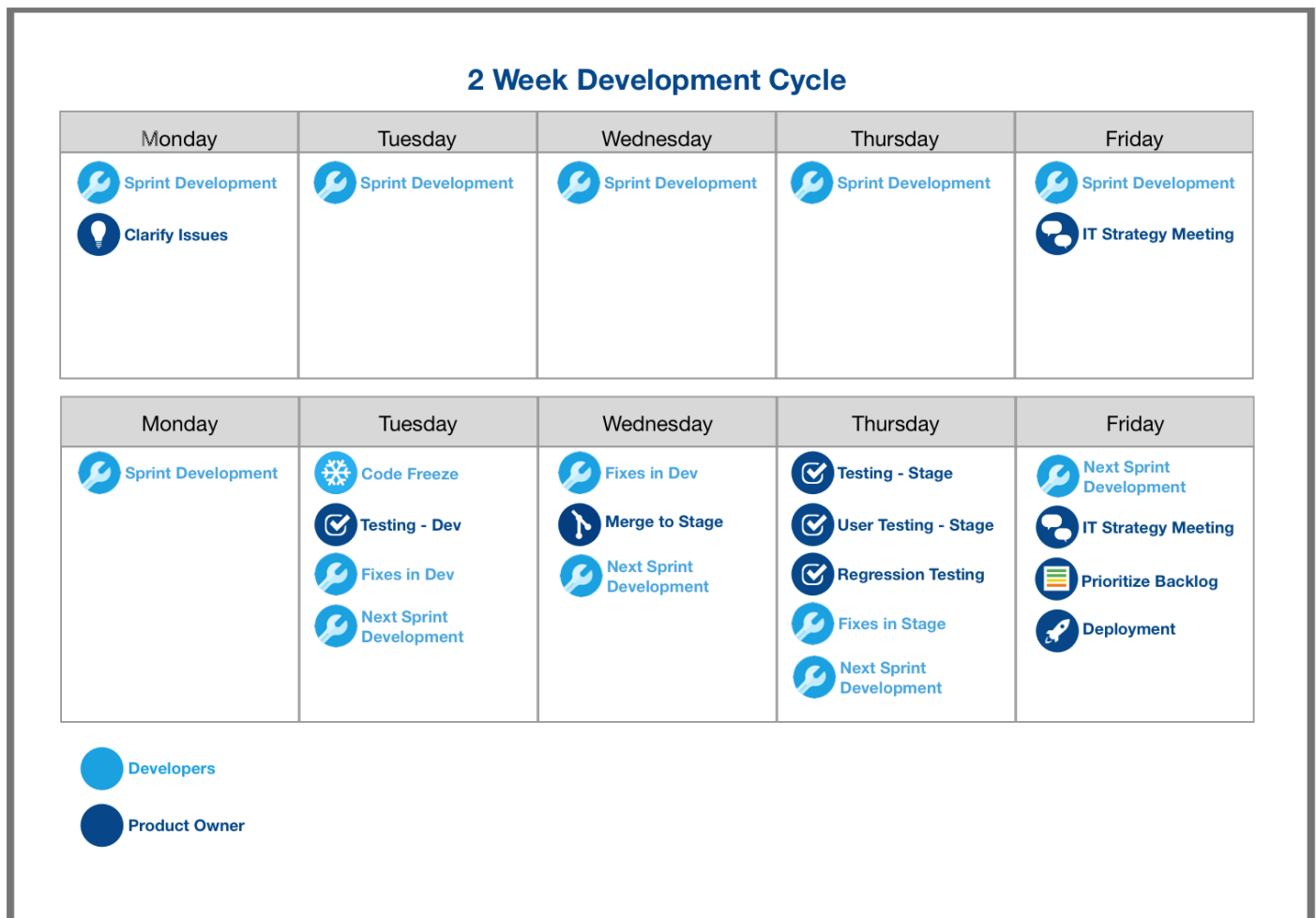# Development Cycle

## What is a Development Cycle?

We set up a development cycle to help the development team consistently put out product, as well as to help provide a structured schedule that allows time for adequate testing, fixes and deployment.

In this article, we'll discuss the 2 week sprint cycle structure that we have decided to follow.

## 2 Week Sprints



**Developer Tasks**

*Sprint Development:* Development work on the issues decided for this sprint

*Code Freeze:* All issues need to be completed and pushed to Dev.  Only fixes for sprint issues will be allowed to be pushed after the Code Freeze

*Fixes in Dev:* Any problems found in Dev Testing will need to be resolved

*Next Sprint Development:* If there are no fixes for current sprint's issues, the developer can start working on the

highest priority issue in the backlog

*Fixes in Stage:* Any issues found while testing will need to be fixed and pushed back up to Stage.

**Product Owner Tasks**

*Clarify Issues:* Discuss any specifics or questions regarding the issues decided for this sprint

*IT Strategy Meeting:* Product Owner will meet with committee made up of different departments from company to discuss status and priorities of projects

*Testing - Dev:* Product Owner will test all completed issues in Dev and update JIRA issues with any fixes needed

*Prioritize Backlog:* After IT Strategy Meeting, the Product Owner will re-prioritize issues in JIRA for the next sprint.

*Merge to Stage:* Dev will be merged into Stage at least 24 hours in advance of Deployment.  This allows for testing in Stage with Production data.

*Testing - Stage:* The Product Owner will test out all new features in Stage with Production data.  Any issues found will be updated on the JIRA issue.

*User Testing - Stage:* The Product Owner will set up User Testing in Stage to get sign-off before Deployment.

*Regression Testing:* The Product Owner will test out all pages and existing features in Stage to make sure that new changes have not created issues or errors with existing code.

*Deployment:* The latest pushes in Stage will be merged to Master and deployed through webistrano.

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