

How Software Development Works

Sales Team

- Sales team connects with customers
- Both parties agreed to work together
- First level of requirement/architecture analysis and estimation*
- Technology selection (Java, RoR, PHP)*
- Dev team send the ballpark estimation*
- Resource based / Project Based
- Requirement Document Sharing
- Project Length: Fixed Length / Variable Length
- **PIN GENERATION**

Sprint 0

- Team formation on the basis of technology selection*
- Process framework selection - Scrum, Kanban, Scrumban etc.
- UI/UX Prototyping*
- Backlog grooming [to and from until the all the items clear and understood by the team]
- Sprint Estimation*
- Sprint Planning : Fixed Length / Variable Length
- Sprint Start
- JIRA - Epic/Stories/Task/Sub-Task
- Sprint 0 Checklist: <https://lftechnology.atlassian.net/wiki/display/PPM/Project+Initiation+Checklist>
- Release planning

Actual Coding Started

- Application Design*
- Database Design*
- Branching : GIT Flow*
- Coding*
- Developer Level Testing - Dev Machine*
- Code Review: GitHub/Crucible*
- Continuous Integration for instant build - Jenkins, GitHub Web Hooks*
- Developer Level Testing - Local Dev environment*
- Test case development and review*

Deployment

- Deployment Servers: Dev, QA, UAT/Staging, PROD
- CI for QA
- Testing on QA Server
 - Functional
 - Security
 - Performance
 - Regression
- UAT Deployment [Prepare production release document]
- Smoke Testing

Production Release

- Deployment Document/Release Notes/Test Harness Document
- Versioning
- Release to Client
- Beta Release
- Patch Releases
- Release to PROD
- Smoke Testing

Retro

- Start Doing
- Stop Doing
- Continue Doing
- Lesson Learned