## Our process

Zenventory's development teams operate under the system of Agile software development. This methodology empowers us to respond quickly to changing priorities and emerging new requirements, while ensuring the highest standards of quality and stability in our software. Agile development centers around strong collaboration within our cross-functional teams, with an iterative approach to maintenance and new feature development based on regular assessment of our product roadmap and valuable direct feedback from our users.

## The agile development cycle (or "Sprint")
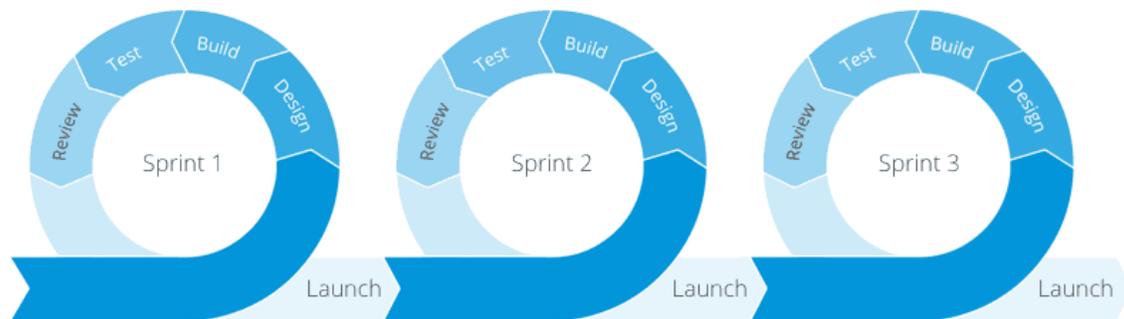


1. **Design**

   - Sprint planning: Average 1-2 meetings monthly following each release. High level stakeholders within the Zenventory product team (Product Manager or VP of Product) attend all planning sessions to serve as the "voice of the customer" ensuring that user requirements are appropriately defined, prioritized, and delivered. Zenventory Support Team members are also present and empowered to advocate for swift resolution of any active issues reported by users.

2. **Build**

   - Zenventory development teams are organized into units of 2-4 software engineers under the guidance of a senior engineer and a dedicated QA test engineer. Engineers may work on tasks individually or in teams depending on the scope of the task. The Director of Engineering oversees the team to ensure adherence to best practices and monitor KPIs.

3. **Test**
   - All commits to our code repository are reviewed by the senior engineer or Director of Engineering prior to being approved for release to our internal QA testing branch.
   - Automated regression testing is regularly executed on our testing branch, and manual testing is also conducted by our QA engineers to ensure that all bug fixes and new features meet all acceptance criteria prior to approval for deployment to production servers.

4. **Review**
   - Sprint progress is measured daily:  The Development & Support Teams attend a daily meeting to assess the previous day's work and to define objectives for the day ahead. As during sprint planning, these daily meetings are regularly attended by an internal customer advocate to facilitate expedient progress on tasks that are time-sensitive or critical for our customers.

5. **Release**
   - When all objectives for the sprint are met and the testing branch has passed our multi-layered quality assurance process, the new version is released to production servers.  1-2 new versions are released to production monthly on average, contingent on the scope of projects in progress.  Releases are managed by the Zenventory infrastructure team in coordination with leaders within the QA, Product, & Development Teams.  Automated regression testing is conducted on each production server following a release to proactively monitor for any new issues related to the update.  Release notes are provided to all customers following each release and remain available on our help site.