Appendix C. Review of Related Systems

| Criteria | Asana | Basecamp | Jira | Microsoft Project | Smartsheet | Trello | Wrike | Zoho Project | Our System (Kernel) |
|---|---|---|---|---|---|---|---|---|---|
| Price | Starting from $9.99 (PHP 500) | Starting from $20.00 (PHP 1000) | Starting from $7.00 (PHP 350) | Starting from $560.00 (PHP 28,000) | Starting from $14.00 (PHP 700) | Starting from $9.99 (PHP 500) | Starting from $9.80 (PHP 490) | Starting from $25.00 (PHP 1,250) | Free |
| Computer Language | Java PHP Python Ruby | Java PHP Python Ruby | Java | C# | C# Java Node Python Ruby | Javascript | Node PHP | Deluge Java PHP Python | PHP Javascript |
| Database | mySQL (with InnoDB) | MariaDB | mySQL | Microsoft Project Server database (SQL-based) | Online Database | MongoDB Redis | MongoDB | Zoho Creator | mySQL |
| Implementation | Web-based | Web-based | Web-based | Locally Installed | Web-based | Web-based | Web-based | Web-based | Web-based |
| Project Templates | • | • | • | • | • | • | • | • | • |
| Scheduling | • | • | • | • | • | • | • | • | • |
| RACI Chart |  |  |  |  |  |  |  |  | • |
| Gantt Chart | • |  | • | • | • |  | • | • | • |
| Workload Assessment |  |  |  | • |  | • |  |  | • |
| Task Prioritization | • | • | • | • | • | • | • | • | • |
| Project Progress | • | • | • | • | • | • | • | • | • |
| Document Tracking | • | • | • | • | • | • |  | • | • |
| Team Gantt Chart | • |  |  |  | • | • |  |  | • |
| Request for Changes |  |  |  | • |  |  |  |  | • |
| Performance Assessment |  |  |  | • |  |  |  |  | • |
| Reports | • | • | • | • |  |  | • | • | • |
| Project Archives | • | • |  |  |  |  |  |  | • |
| Alert Notifications | • | • | • |  | • | • | • | • | • |
| Email Integration | • | • | • | • | • | • | • | • | • |
| Data Visualization | • | • |  | • |  | • | • |  | • |
| Project Logs | • | • |  |  |  | • |  |  | • |
| User Permissions | • |  |  |  |  | • | • |  | • |

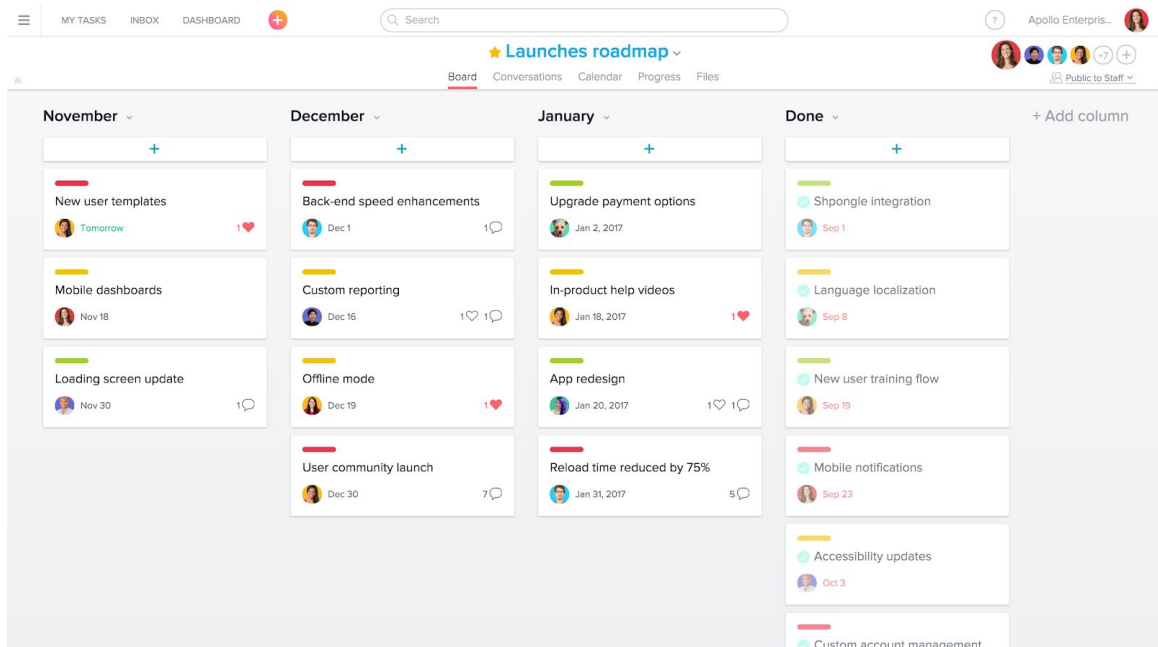Table 2-1 Project Management Systems Comparison Table
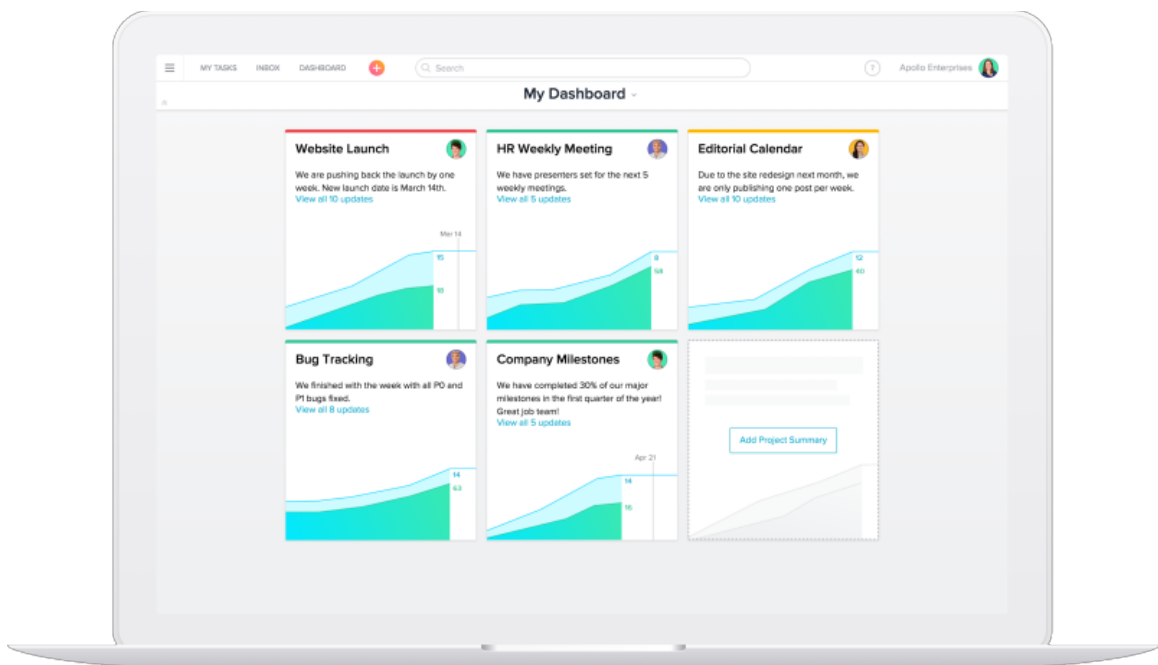
Figure 2-9 Asana: Roadmap

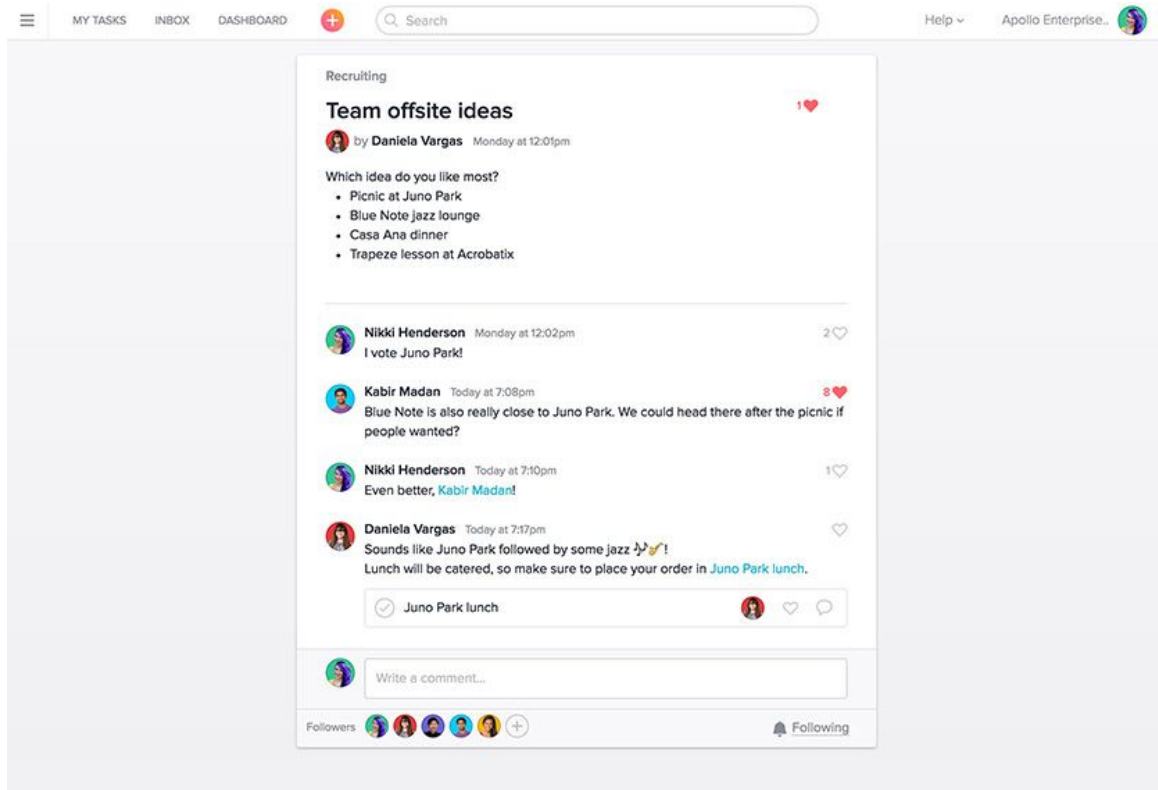

Figure 2-10 Asana: Dashboard

Figure 2-11 Asana: Communicating with Team Members
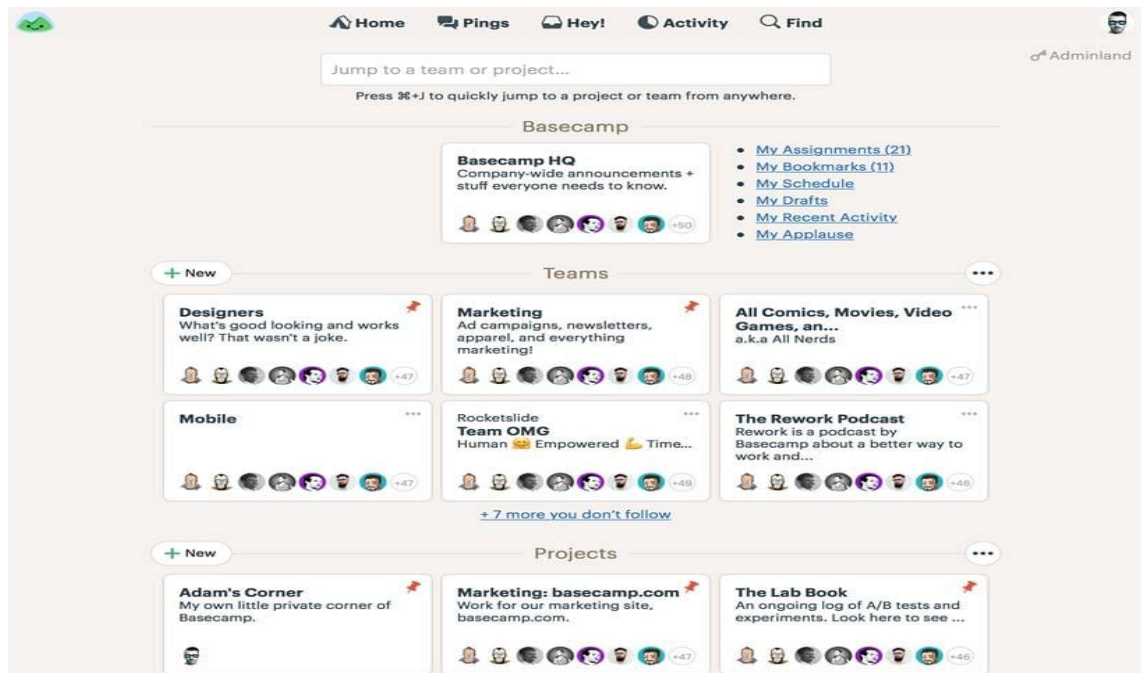


Figure 2-12 Basecamp: Homescreen

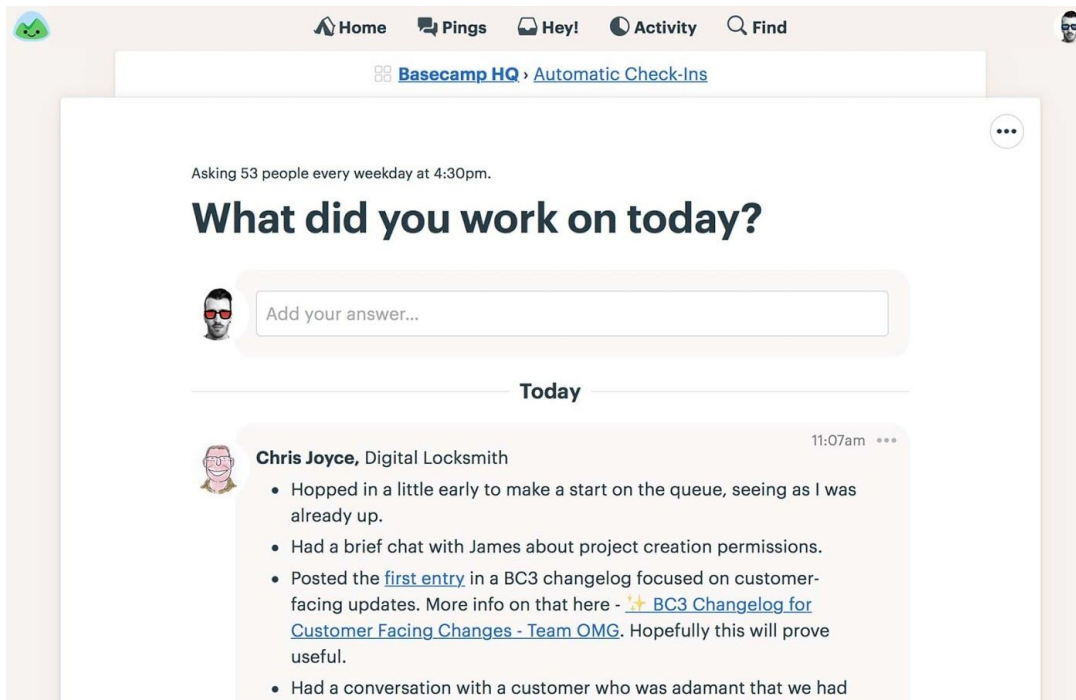Figure 2-13 Basecamp: Check-in



Figure 2-14 Basecamp: File Sharing
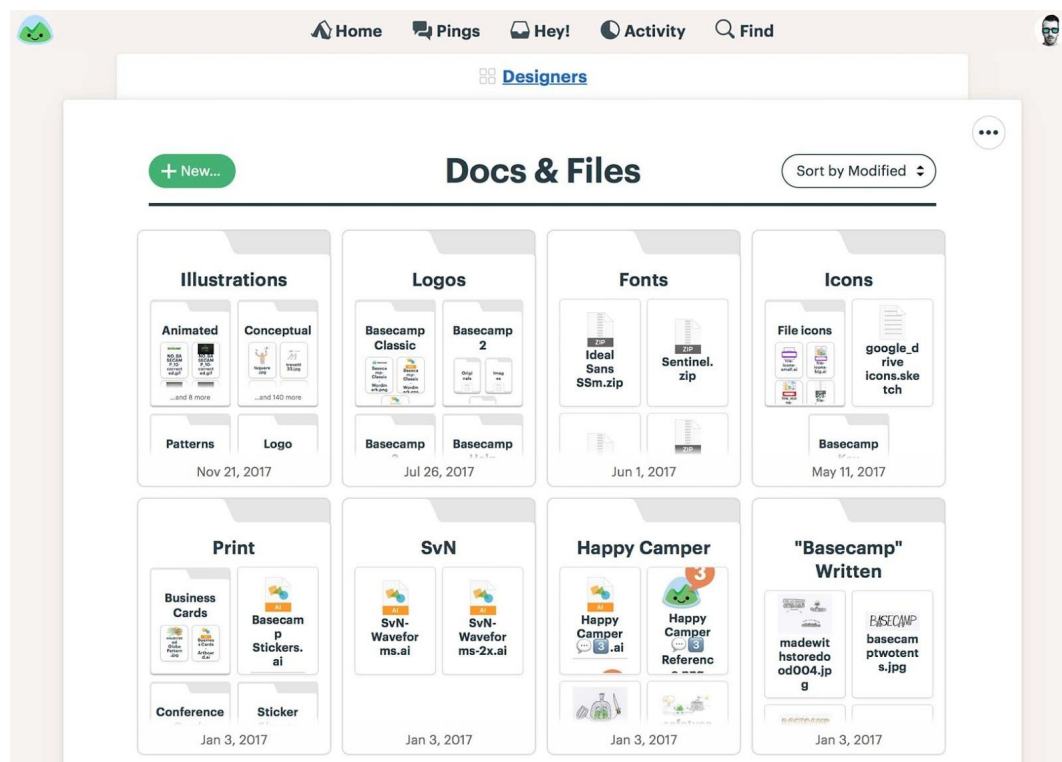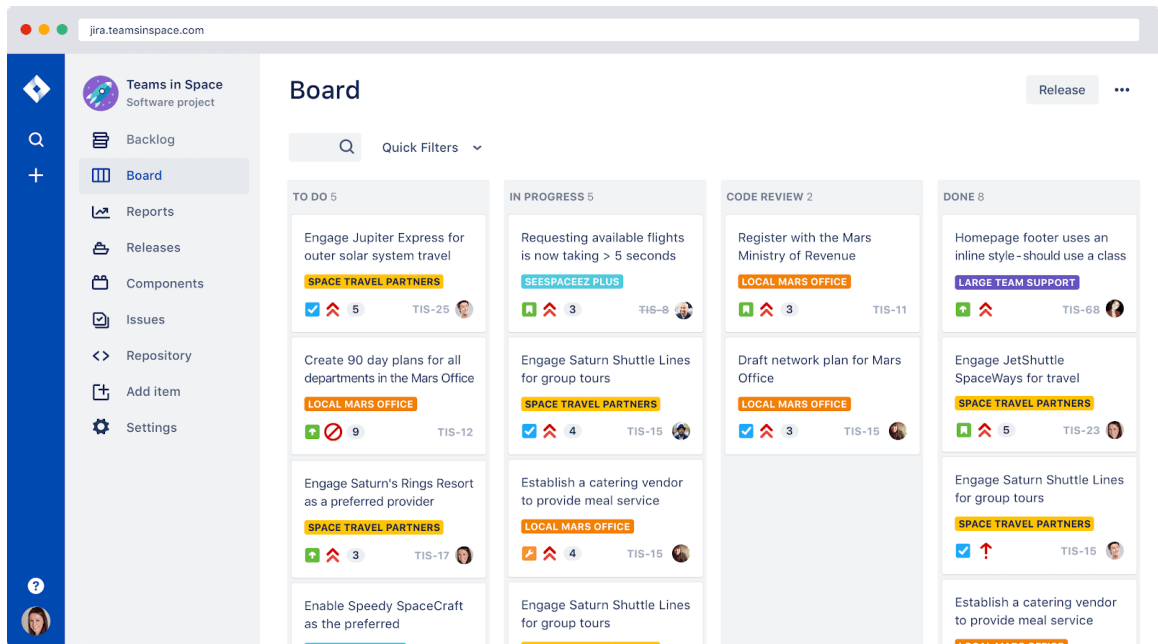
Figure 2-15 Jira: Board



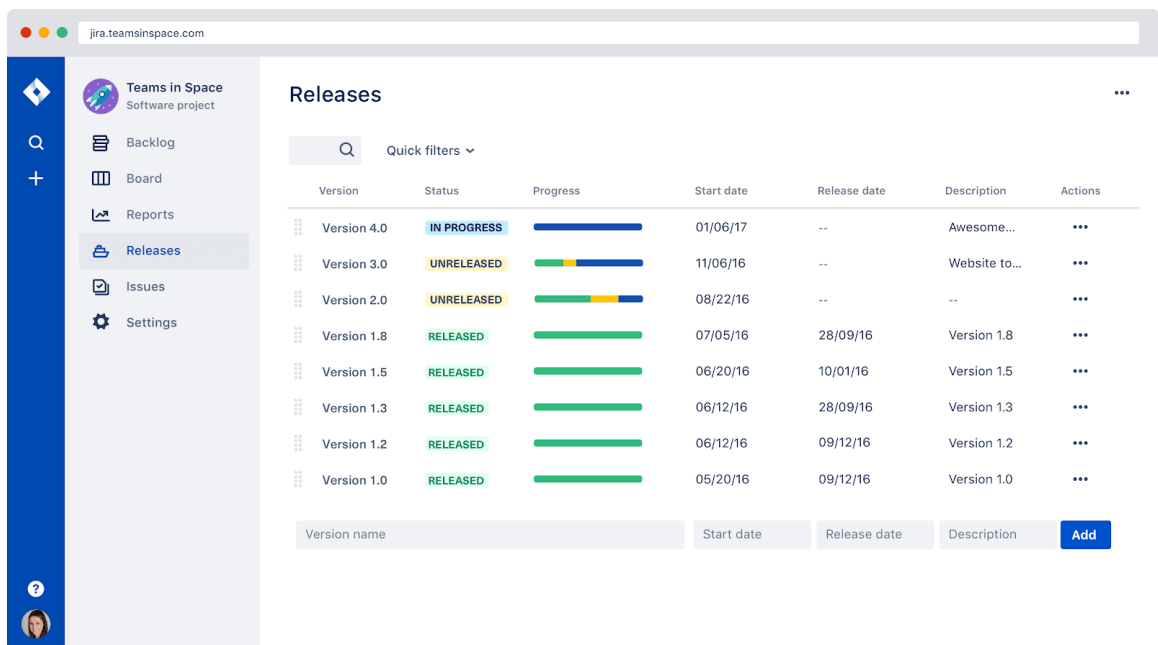Figure 2-16 Jira: Release

**Burndown chart**

Track the total work remaining and project the likelihood of achieving the sprint goal. This helps your team manage its progress and respond accordingly.

**Burnup chart**

Track the total scope independently from the total work done. This helps your team manage its progress and better understand the effect of scope change.

**Sprint report**

Understand the work completed or pushed back to the backlog in each sprint. This helps you determine if your team is overcommitting or if there is excessive scope creep.

**Cumulative flow diagram**

Track the total scope independently from the total work done. This helps your team manage its progress and better understand the effect of scope change.

**Velocity chart**

Track the total work remaining and project the likelihood of achieving the sprint goal. This helps your team manage its progress and respond accordingly.

**Version report**

Understand the work completed or pushed back to the backlog in each sprint. This helps you determine if your team is overcommitting or if there is excessive scope creep.
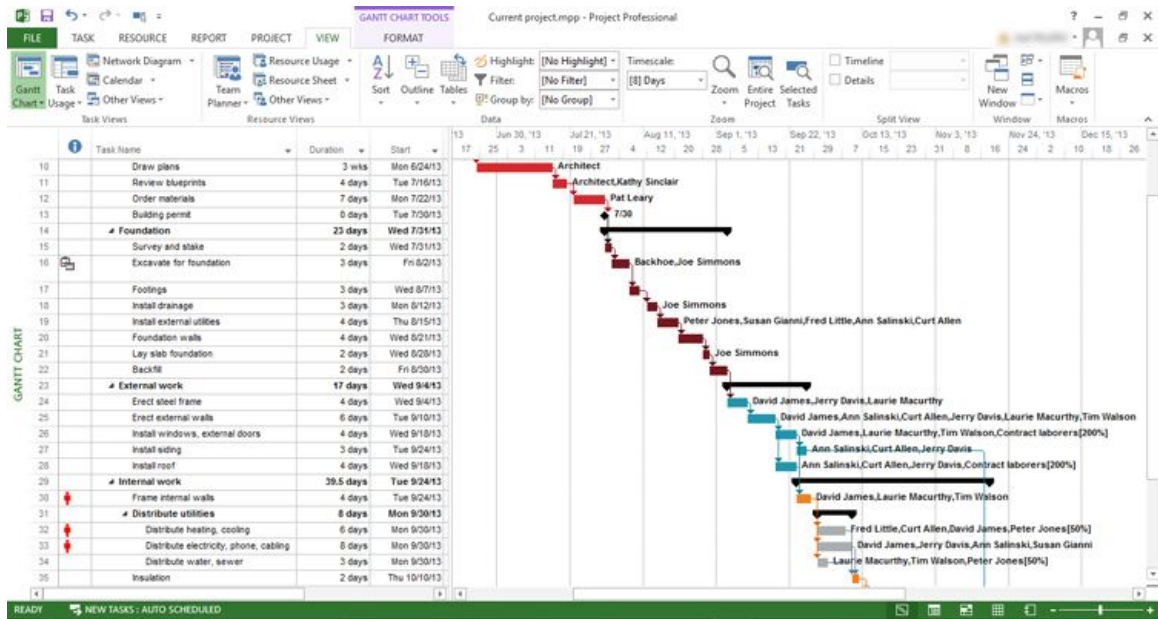
Figure 2-17 Jira: Reports

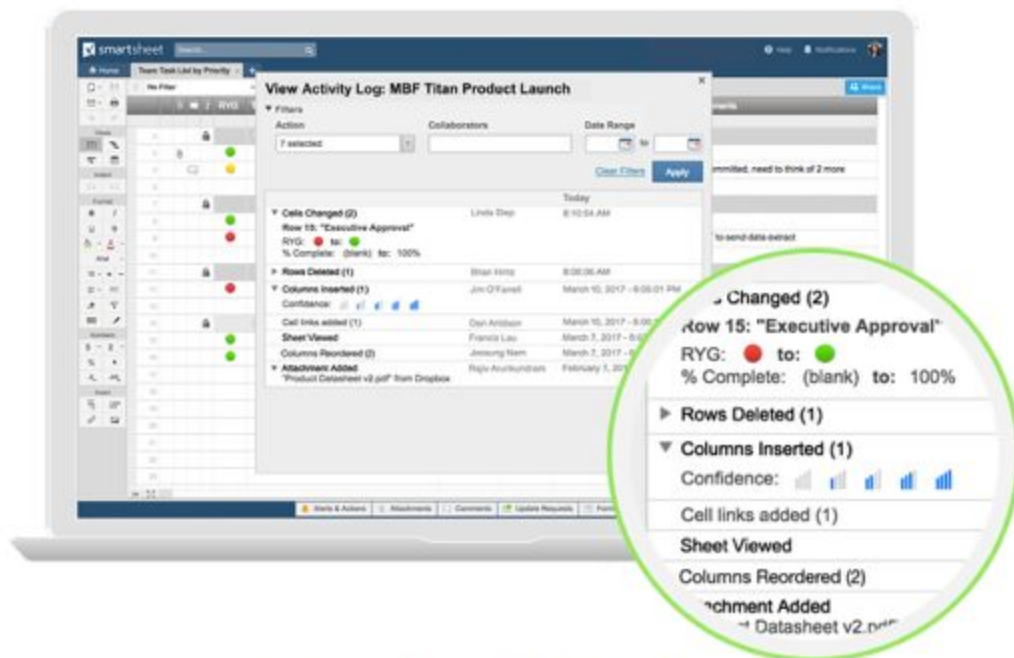Figure 2-18 Microsoft Project: Gantt Chart



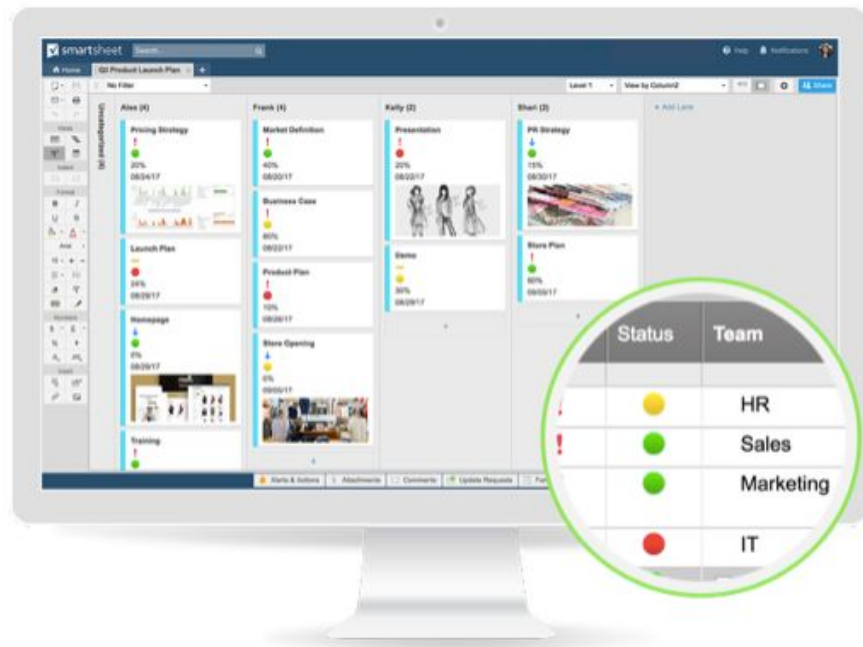Figure 2-19 Smartsheet: Activity Logs

Figure 2-20 Smartsheet: Task Status
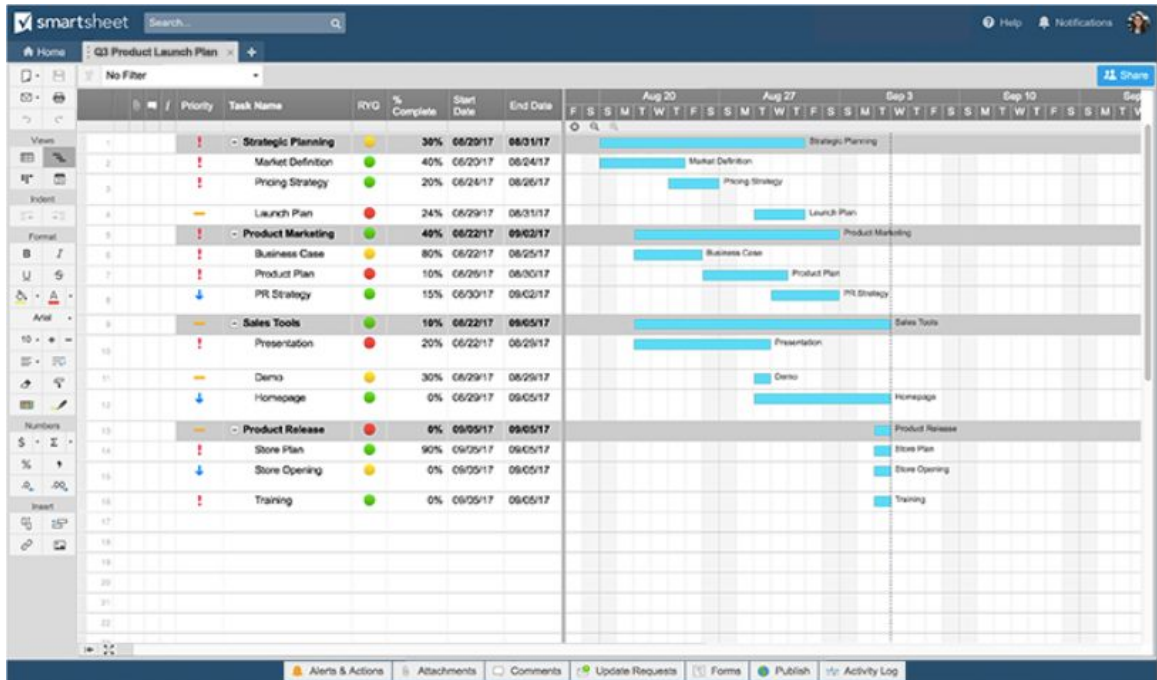


Figure 2-21 Smartsheet: Report

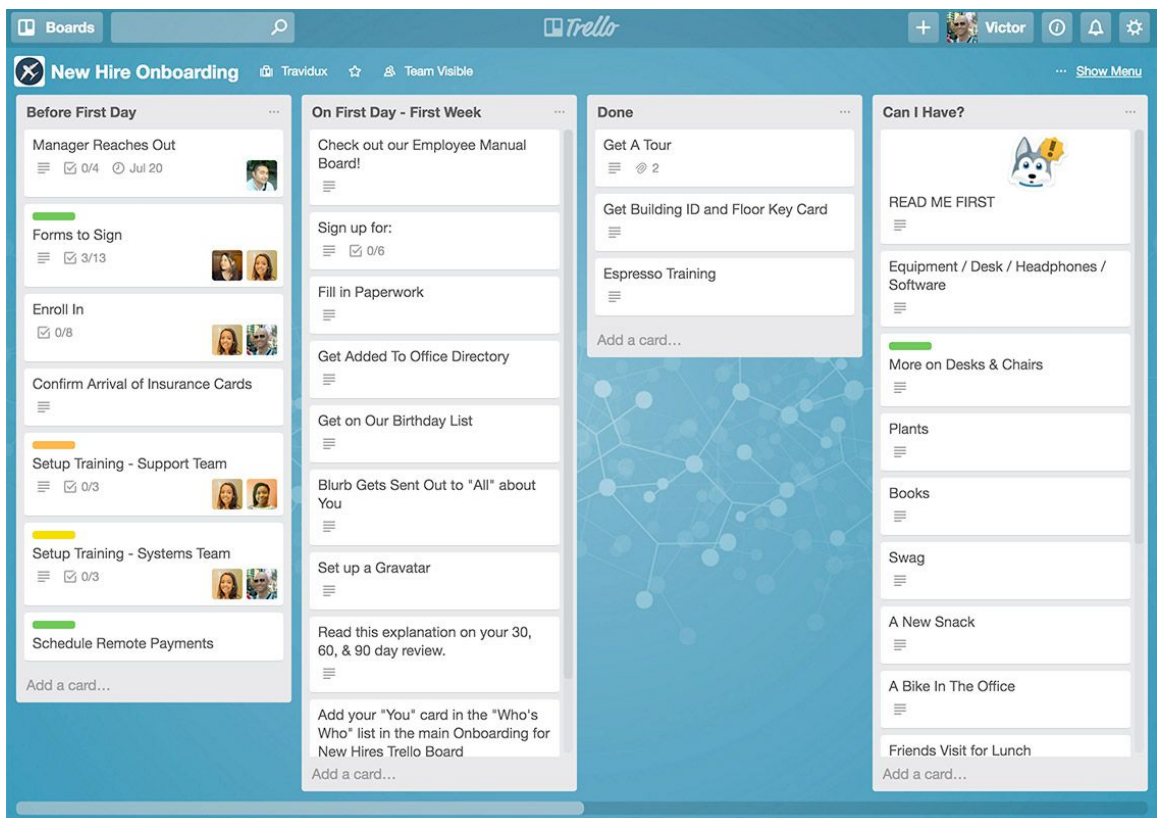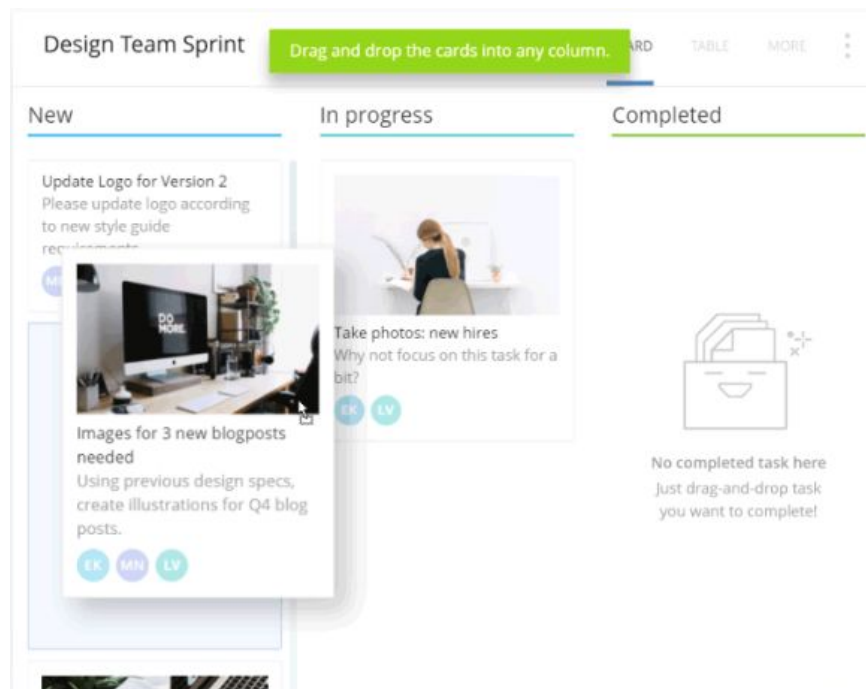Figure 2-22 Smartsheet: Gantt Chart



Figure 2-23 Trello: Dashboard

Figure 2-24 Wrike: 3-Pane Layout Interface
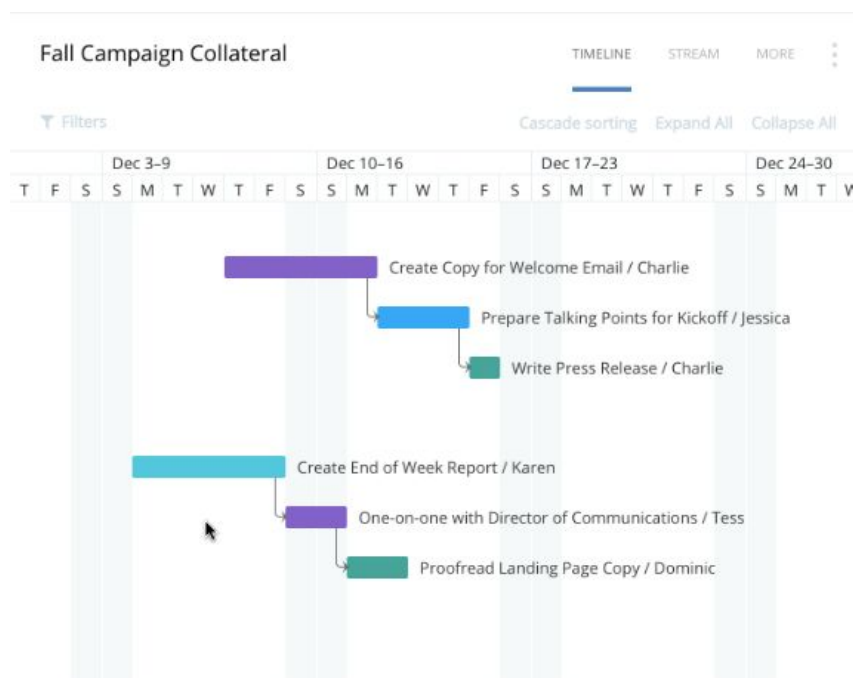


Figure 2-25 Wrike: Gantt Chart

Figure 2-26 Wrike: Report



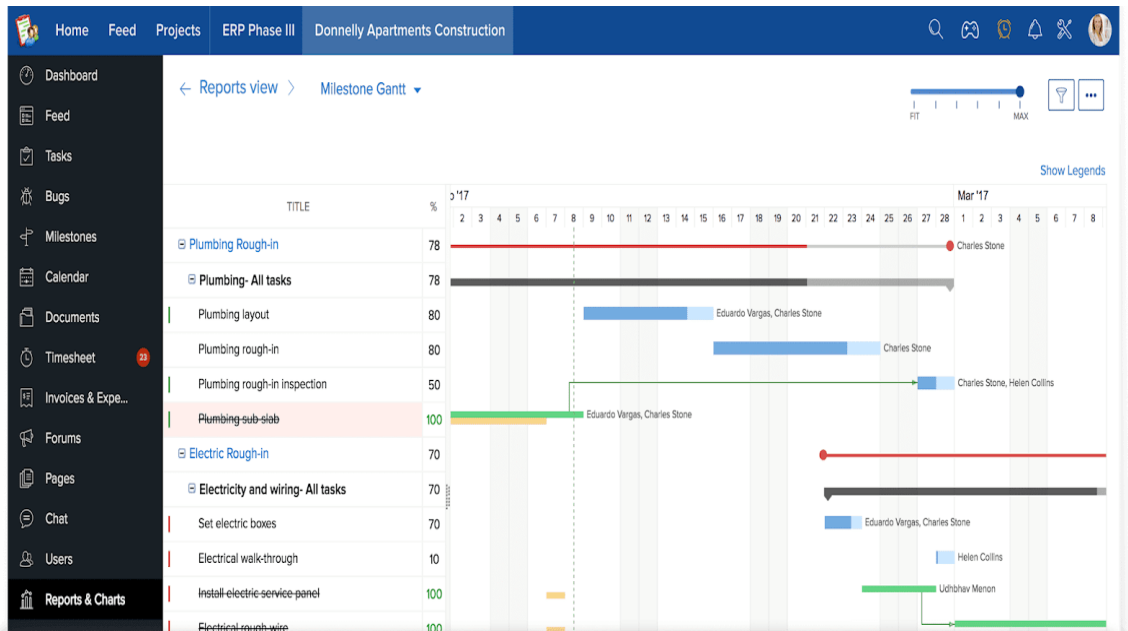Figure 2-27 Zoho Projects: Tasks

Figure 2-28 Zoho Projects: Gantt Chart



Figure 2-29 Zoho Projects: Reports using Zoho Report