Chris Weaver  
WEB335  
Week 7 | PyClusterCollection

Persona: Thorgiggles Lagerlout

| Characteristic | Details |
| --- | --- |
| Name | Thorgiggles Lagerlout |
| Distinguishing Design Impact | Often reads in rugged environments (outdoors, firelight), prefers minimalist layouts with high contrast |
| Icon/Emoji | 🧝‍♀️📖🔥 |
| Most-used Features | Mythology genre filters, offline reading, “Epic Saga” collections, custom reading quests |
| Least-used Feature | Social feed and friend tracking—prefers solitary immersion |
| Needs the App Can Meet | Access to longform and mythical narratives with thematic filters and immersive settings |
| Computer Skill Level | Intermediate—comfortable with mobile UI but avoids complex settings |

Additional Elements

* Age: 36
* Occupation: Wilderness guide by day, saga poet by firelight
* Favorite Reading Themes: Ancient legends, battle epics, heroic journeys
* Device Preference: Ruggedized e-reader or smartphone with waterproof case
* Personality Traits: Adventurous, poetic, introspective, loyal to tradition
* Design Preference: App themes with Norse motifs, parchment-style backgrounds, and rune-styled progress bars
* Engagement Style: Favors gamified reading challenges (e.g., “Odin’s Trial” or “Nine Worlds Reading Journey”)
* Reading Environment: Mountain top, forest trail, or long voyages—needs a good hideaway and strong readability in dim light
* Accessibility Needs: Bold font options, adjustable contrast, gesture-based navigation for cold-weather conditions
* Like warbands (e.g., “Stormborn Chronicles,” “Hall of Lore”) and awards herself titles like “Skald Supreme” after milestone completions

### Estimates

| **ID** | **Story / Task** | **Work Hours** | **Story Points** |
| --- | --- | --- | --- |
| **S1** | Browse books by genre | 16 hrs | 8 |
| T1.1 | Design genre metadata | 3 hrs | 3 |
| T1.2 | Create UI for genre filters | 4 hrs | 5 |
| T1.3 | Implement backend endpoint for genre browsing | 4 hrs | 5 |
| T1.4 | Add genre tags to book records in the database | 2 hrs | 3 |
| T1.5 | Test genre filter interactions across devices | 3 hrs | 2 |
| **S2** | Track reading progress | 17 hrs | 8 |
| T2.1 | Design reading progress schema in MongoDB | 3 hrs | 3 |
| T2.2 | Build progress bar component in the UI | 4 hrs | 5 |
| T2.3 | Create logic to update progress on page turns | 4 hrs | 5 |
| T2.4 | Implement device sync for cross-platform tracking | 3 hrs | 5 |
| T2.5 | Add celebratory badges for progress milestones | 3 hrs | 3 |
| **S3** | Save books to custom shelves | 18 hrs | 13 |
| T3.1 | Design “Shelf” data model with personalization fields | 3 hrs | 3 |
| T3.2 | Build shelf creation/editing/deletion flows | 4 hrs | 5 |
| T3.3 | Create “Add to Shelf” button on book preview cards | 4 hrs | 5 |
| T3.4 | Link shelf data to user profiles | 3 hrs | 5 |
| T3.5 | Test shelf sorting by genre, author, and title | 4 hrs | 3 |
| **S4** | Participate in themed challenges | 17 hrs | 13 |
| T4.1 | Design challenge rules and goal criteria | 3 hrs | 3 |
| T4.2 | Create backend logic for challenge tracking | 4 hrs | 5 |
| T4.3 | Build dashboard UI with Viking theme option | 3 hrs | 5 |
| T4.4 | Add achievement badges and leaderboard functionality | 4 hrs | 5 |
| T4.5 | Notify users with updates via push/email | 3 hrs | 3 |
| **S5** | Download books for offline use | 18 hrs | 13 |
| T5.1 | Add offline caching and download toggle | 4 hrs | 5 |
| T5.2 | Create sync logic on reconnect | 4 hrs | 5 |
| T5.3 | Enable offline access to metadata and previews | 3 hrs | 5 |
| T5.4 | Optimize file storage and compression methods | 3 hrs | 3 |
| T5.5 | QA testing on various devices/environments | 4 hrs | 3 |

### ⚖️ Totals

* **Total Work Hours**: 86 hrs
* **Total Story Points**: 55 points

### 📚 SCRUM STORIES

| **ID** | **Story / Task** | **Who (Role)** | **What (Functionality)** | **Why (Justification)** |
| --- | --- | --- | --- | --- |
| **S1** | As a user, I need to browse books by genre | Reader | To easily find books that match my interests | Improve book discovery and browsing experience |
| T1.1 | Design genre taxonomy and metadata | Developer / Designer |  |  |
| T1.2 | Create UI for genre filters | Front-End Developer |  |  |
| T1.3 | Implement backend endpoint for genre browsing | API Developer |  |  |
| T1.4 | Add genre tags to book records in the database | Data Engineer |  |  |
| T1.5 | Test genre filter interactions across devices | QA Analyst |  |  |
| **S2** | As a user, I need to track my reading progress | Reader | So that I can monitor my journey through each book | Promote deeper engagement and personal goal setting |
| T2.1 | Design reading progress schema in MongoDB | Database Engineer |  |  |
| T2.2 | Build progress bar component in the UI | Front-End Developer |  |  |
| T2.3 | Create logic to update progress on page turns | Back-End Developer |  |  |
| T2.4 | Implement device sync for cross-platform tracking | DevOps / API Developer |  |  |
| T2.5 | Add celebratory badges for progress milestones | UX Designer |  |  |
| **S3** | As a user, I need to save books to my custom shelves | Reader | So that I can organize favorites and plan future reads | Encourage organization and returning visits |
| T3.1 | Design “Shelf” data model with personalization fields | Data Architect |  |  |
| T3.2 | Build shelf creation, editing, and deletion flows | Front-End Developer |  |  |
| T3.3 | Create “Add to Shelf” button on book preview cards | Front-End Developer |  |  |
| T3.4 | Link shelf data to user profiles | Back-End Developer |  |  |
| T3.5 | Test shelf sorting by genre, author, and title | QA Tester |  |  |
| **S4** | As a reader, I want to take part in themed challenges | Reader | So that I stay motivated to read more | Boost retention and gamify experience |
| T4.1 | Design challenge rules and goal criteria | Content Strategist |  |  |
| T4.2 | Create backend logic for tracking challenge progress | Back-End Developer |  |  |
| T4.3 | Build challenge dashboard UI with Viking theme option | Front-End Developer |  |  |
| T4.4 | Add achievement badges and leaderboard functionality | Game Designer / Dev |  |  |
| T4.5 | Notify users with progress updates via push/email | Notification Manager |  |  |
| **S5** | As a user, I want to download books for offline use | Reader in remote areas | So that I can read in places without internet access | Support rugged environments and flexible reading habits |
| T5.1 | Add offline caching and download toggle | Mobile Developer |  |  |
| T5.2 | Create sync logic when device regains connection | Back-End Developer |  |  |
| T5.3 | Enable offline access to metadata and previews | API Developer |  |  |
| T5.4 | Optimize file storage and compression methods | DevOps / Systems Engineer |  |  |
| T5.5 | QA testing on various devices/environments | QA Analyst |  |  |