**SCALED AGILE**®

# PI Planning Simulation

# Features and starter Stories for GeekBooks

**GEEKBOOKS**

**Instructions:**

- **Print out (single-sided) and cut out the Features and the starter Stories**
- **Participants may find it easiest to tape them to the appropriate color of the sticky note (see Color Coding Sticky Notes Legend below)**
- **Some Stories are Enablers such as spikes, refactors, or defects**
- **Features are already prioritized**

> ⚠ **NOTE:** The Stories for the simulation are starter Stories. Keep in mind that many are missing, some need to be broken down, or are duplicates in other teams' backlogs.

## Color Coding Sticky Notes Legend

| Green | Orange | Yellow | Purple | Red/Pink | Red/Pink |
|---|---|---|---|---|---|
| User Stories | Infrastructure /Architecture Enablers | Exploration Enablers | Maintenance | Risks and Dependencies | ADDRESSED Risks and Dependencies |

**FEATURE:** Flexible search

**PRIORITY:** 1

**BENEFIT:** Users will have a flexible, easy-to-use search capability to locate books

**DESCRIPTION:** Search by author, title, or genre from a single search field. Misspelling substitutions (for example, "Did you mean …"). Present results as per-match algorithm.

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**As a** book searcher,
**I can** search books by author,
**so that** I can find all books by my favorite author or an author I have heard about.

SIZE: __

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**As a** book searcher,
**I can** search books by title,
**so that** I can directly find a book (or books) with a specific title.

SIZE: __

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**As a** book searcher,
**I can** search books by author and find the correct one even if there are misspellings,
**so that** I can directly find a book with a specific title even if my spelling or memory is deficient.

SIZE: 5

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**As a** book searcher,
**I can** search books by title and find the correct one even if it isn't an exact match or has a misspelling,
**so that** I can directly find a book with a specific title.

SIZE: 5

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**As a** book searcher,
**I can** search books by genre,
**so that** I can find books in a specific genre.

SIZE: 2

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**As a** book searcher,
**I can** have suggested search terms pop up for genres as I type,
**so that** I can easily find and search on the genre I am looking for.

SIZE: 1

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**As the** Match API,
**I can** receive a title match rating from the match algorithm,
**so that** I can order results by match suitability.

SIZE: 8

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**ENABLER (TECHNICAL SPIKE):**
Determine impact of internationalization on the solution so that it can be considered for the estimation of the internationalization epic.

SIZE: 3

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**FEATURE:** Flexible search

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**BENEFIT:** Users will have a flexible, easy-to-use search capability to locate books

**DESCRIPTION:** Search by author, title, or genre from a single search field. Misspelling substitutions (for example, "Did you mean …"). Present results as per-match algorithm.

**As the** Match API,
**I can** receive an author match rating from the match algorithm,
**so that** I can order results by match suitability.

SIZE: 8

**As a** book searcher,
**I can** have suggested search terms pop up for titles as I type,
**so that** I can easily find and search on the title I am looking for.

SIZE: 3

**As a** book searcher,
**I can** search for recommended books based on previous purchases or items in my shopping bag**,**
**so that** I can find books that are similar to books that interested me.

SIZE: 8

**FEATURE:** Shopping Cart

**PRIORITY:** 2

**BENEFIT:** Users can manage items in a shopping cart for immediate or future purchase

**DESCRIPTION:** Users can easily access their cart from any page, view the same information displayed in the book list, change the quantity, remove it from their cart, or save it for later. A subtotal for all items in their shopping cart should be displayed at the bottom. Items saved for later should appear below that.

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**As a** book shopper,
**I can** access my shopping cart from any page,
**so that** I can quickly review what I may be purchasing.

SIZE: __

**As a** book shopper,
**I can** see an icon indicating the number of items in my shopping cart from any page,
**so that** I can better determine whether I should continue shopping or access my shopping cart to review what I have purchased so far.
SIZE: __

**As a** book shopper,
**I can** change the number of items in my shopping cart,
**so that** I can quickly update my cart.

SIZE: 1

**As a** book shopper,
**I can** remove items from my shopping cart,
**so that** I can quickly update my cart.

SIZE: 2

**ENABLER (TECHNICAL SPIKE)**
Research AJAX capabilities for a better user experience for shopping cart updates.

SIZE: 5

**As a** book shopper,
**I can** save an item,
**so that** I can retrieve it later.

SIZE: 5

**As a** book shopper,
**I can** get a shipping quote directly from my cart**,**
**so that** I can quickly understand the total cost of my cart before continuing with the purchasing process.

SIZE: 8

**FEATURE:** Purchase by credit card

**PRIORITY:** 3

**BENEFIT:** Users can purchase products from us (as soon as implemented – only beta up until then)

**DESCRIPTION:** Users can select from their preferred credit card and shipping address as defined in their profile or add new ones. Visa, Mastercard, Discover, and Diners Club are required. American Express is optional. Must be PCI compliant.

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**As a** book purchaser,
**I can** enter new credit card information,
**so that** I can pay using a new credit card.

SIZE: __

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**As a** book purchaser,
**I can** securely save my credit card information,
**so that** I don't need to retype it for future purchases.

SIZE: __

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**As a** book purchaser,
**I can** enter new shipping information,
**so that** I can ship to a new location.

SIZE: 2

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**As a** book purchaser,
**I can** securely save my shipping information,
**so that** I don't need to retype it for future purchases.

SIZE: 3

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**ENABLER (TECHNICAL SPIKE):**
Pick the encryption mechanism for saving credit card data.

SIZE: 5

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**ENABLER (TECHNICAL SPIKE):**
Research difference garbage collection options, so that credit card data is removed from the server memory as soon as possible.

SIZE: 8

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**As a** book purchaser,
**I can** access saved credit card information,
**so that** I can retrieve what I saved when making previous purchases.

SIZE: 2

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**As a** book purchaser,
**I can** access past purchases,
**so that** I can re-order the same items again.

SIZE: 5

**FEATURE:** Shipping Method Selection

**PRIORITY:** 4

**BENEFIT:** Users can select a shipping method based on cost, delivery speed, and carrier

**DESCRIPTION:** Users can select a shipping method based on the price, delivery speed, and estimated delivery date for all major carriers (USPS, UPS, and FedEx).

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**As a** book purchaser,
**I can** see which shipping options are available for this order,
**so that,** based on my experience with shipping options, I can more quickly select my shipping method for this order.

SIZE: __

**As a** book purchaser,
**I can** see the price for each shipping method for my current order,
**so that** I can better select a shipping method based on price.

SIZE: __

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**As a** book purchaser,
**I can** see the delivery date for each shipping method for my current order,
**so that** I can better select a shipping method based the delivery date without having to consider holidays, cutoff times, etc.

SIZE: 8

**As a** book purchaser,
**I can** define my shipping preferences,
**so that** I do not have to enter my information each time I purchase books.

SIZE: 3

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**ENABLER (FUNCTIONAL SPIKE):**
Determine how to calculate the shipping costs using UPS and FedEx web services APIs.

SIZE: 8

**ENABLER (INFRASTRUCTURE):**
Upgrade Eclipse so that we can take advantage of the enhanced stability.

SIZE: 3

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**As a** book purchaser,
**I can** see the delivery speed for each shipping method for my current order,
**so that** I can better select a shipping method based on speed.

SIZE: 2

**FEATURE:** Profile Management

**PRIORITY:** 5

**BENEFIT:** Users can create and maintain their profiles rather than enter in their information each time they order

**DESCRIPTION:** Users can manage their login credentials (ID, password), personal information (name, email address, home address), nickname for book rating and commenting, credit card information (multiple), and shipping address (multiple). Physical addresses, email addresses, and credit card info should be verified as valid. Passwords must meet our current security standards

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**As a** book purchaser,
**I can** create a user profile,
**so that** I do not have to enter my information each time I add books to my shopping cart or purchase books.

SIZE: __

**As a** book purchaser,
**I can** update my user profile,
**so that** I can keep it up to date as my personal information changes.

SIZE: __

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**As a** book purchaser,
**I can** define my shipping preferences,
**so that** I do not have to enter my information each time I purchase books.

SIZE: 5

**As a** book purchaser,
**I can** add a nickname and avatar to my profile,
**so that** I can rate and comment on books without people knowing my true identity.

SIZE: 2

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**As a** book purchaser,
**I can** enter all personal, shipping, and credit card information,
**so that** I know there is no chance that my personal data will be intercepted or hacked, and that I will not receive unwanted communications.

SIZE: 5

**As a** book purchaser,
**I can** define my credit card preferences,
**so that** I do not have to enter my credit card information each time I purchase books.

SIZE: 2

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**Exploration Enabler**
Prepare prototypes for an A/B test of two different modes of profile creation: a) multipage wizard for entering all data fields or b) a single page with all questions listed

SIZE: 8

**Architecture Enabler (Spike):**
Pick a component for avatar upload and avatar resizing.

SIZE: 5

**FEATURE:** Profile Management

**PRIORITY:** 5

**BENEFIT:** Users can create and maintain their profiles rather than enter in their information each time they order

**DESCRIPTION:** Users can manage their login credentials (ID, password), personal information (name, email address, home address), nickname for book rating and commenting, credit card information (multiple), and shipping address (multiple). Physical addresses, email addresses, and credit card info should be verified as valid. Passwords must meet our current security standards

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**As a** book purchaser,
**I can** erase my profile,
**so that** I can exercise my right to be forgotten.
Note: GDPR requirement

SIZE: 5

**As a** book purchaser,
**I can** securely login,
**so that** there is no chance that my personal data will be intercepted or hacked.

SIZE: 8

**FEATURE:** Book Detail

**PRIORITY:** 6

**BENEFIT:** Users can see informative and enticing details about a book

**DESCRIPTION:** Display book name, book cover (which can be enlarged when clicked), author and bio, book description, genre, publishing info (publisher, release date, etc.), book rating, and comments. Hyperlink author's name to a list of other books by the same author.

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**As a** book browser,
**I can** see the book name and author,
**so that** I can recognize books based on the most well-known information.

SIZE: __

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**As a** book browser,
**I can** see an image of the book cover,
**so that** I can gain a quick emotional sense of whether this is a book I'd like to further consider.

SIZE: __

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**As a** book browser,
**I can** see other books the author has written,
**so that** I can determine whether another book by the author may be better for me.

SIZE: 2

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**As a** book browser,
**I can** see the book rating by book purchasers,
**so that** I can learn which books are most highly regarded by the people who most likely have actually read them.

SIZE: 5

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**As a** book browser,
**I can** see comments about the book,
**so that** I can understand what other readers think about it.

SIZE: 2

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**As a** book browser,
**I can** see the bio and other details about the author,
**so that** I can gain a quick sense of whether I may like the author and other books he or she may have written.

SIZE: 8

**FEATURE:** Book List Sorting

**PRIORITY:** 7

**BENEFIT:** Users can sort a list of books in a number of ways to more easily find what they are looking for.

**DESCRIPTION:** Sort by book title, author, price, book rating, and release date. Allow for user to select the number of search results to appear on each page.

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**As a** book searcher or browser,
**I can** sort the books returned from an author search by date published,
**so that** I can easily find the newest and the oldest books.

SIZE: __

**As a** book searcher or browser,
**I can** sort the books returned from an author search by title,
**so that** I can easily find the books with titles I might know.

SIZE: __

**As a** book searcher or browser,
**I can** sort the books returned from a title search by author,
**so that** I can easily find the book I want among many books with the same title.

SIZE: 2

**As a** book searcher or browser,
**I can** sort the books returned from a title search by genre,
**so that** I can easily find the book I want among many books with the same title in the genre that I want.

SIZE: 2

**Exploration Enabler:**
Prototype different options for filtering and category representation for internal A/B testing.

SIZE: 5

**Architectural Enabler (Spike):**
Prototype methods to organize pagination and changing the resulting page size.

SIZE: 5

**As a** book searcher,
**I can** sort the books returned from a genre search by author,
**so that** I can easily find the book I want among many books with the same author.

SIZE: 3

**FEATURE:** Book Browsing

**PRIORITY:** 8

**BENEFIT:** Users will have a simple and enjoyable way to discover new books and authors

**DESCRIPTION:** Allow user to browse books by genre, top sellers in our bookstore, Tech Valley Times best sellers, and book rating. When presenting books within a genre, place Tech Valley Times best sellers at the top and then sort the remaining by book rating.

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**As a** book browser,
**I can** view a list of available genres,
**so that** I can quickly determine which genre(s) I'd like to browse.

SIZE: 2

**As a** book browser,
**I can** browse a list of books for the genre I select with a clear indication of which are Tech Valley Times best sellers,
**so that** I can locate books which have received positive professional reviews.

SIZE: 3

**As a** book browser,
**I can** browse the Tech Valley Times Best Sellers books in a variety of ways,
**so that** I can find good books across genres and authors that I may otherwise not explore.

SIZE: 2

**As a** book browser,
**I can** browse books by user ratings in a variety of ways,
**so that** so that I can find the most highly rated books by geeks like me across genres and authors.

SIZE: 5

**Exploration Enabler:**
A/B test different UX models for browsing: left-side navigation; left-side and current selection criteria in the top, etc.

SIZE: 5

**As a** book browser,
**I can** browse books by the number of copies sold over multiple time periods (today's best seller, this week's, this month's),
**so that** I can find the trendiest books purchased by geeks like me.

SIZE: 8

**As a** book browser,
**I can** browse a list of books for the genre I select with a clear indication of which are the most highly rated by other users,
**so that** I can locate books which have received positive book purchaser reviews.

SIZE: 3

**FEATURE:** Book Rating **PRIORITY:** 9

**BENEFIT:** Users can rate books they've purchased to help others in their selection process

**DESCRIPTION:** Use a five-star rating system. Users can only rate a book if they've purchased it and may select whether they show their nickname (defined in their profile) or remain anonymous.

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**As a** book rater,
**I can** view the books I've purchased but not rated,
**so that** I can choose which ones I'd like to rate.

SIZE: __

**As a** book rater,
**I can** sort the books I've rated by rating,
**so that** I can more easily remember my favorite books as time passes.

SIZE: __

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**As a** book rater,
**I can** choose whether I show the nickname defined in my user profile or remain anonymous,
**so that** I can have the privacy options I want on a case-by-case basis.

SIZE: 2

**As a** book rater,
**I can** change my rating up to one week after I rated it,
**so that** I can still reconsider my opinion.

SIZE: 3

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**Exploration Enabler:**
Research a time-based cumulative rating of a book for PI 2.

SIZE: 5

**As a** book rater,
**I can** receive an email notification based on my personal notification schedule to rate a book I already purchased,
**so that** I that I can more easily share my opinions even though I have a busy life.

SIZE: 5

**FEATURE:** Commenting

**PRIORITY:** 10

**BENEFIT:** Users can comment on books they've purchased to help others in their selection process

**DESCRIPTION:** A single comment should be limited to the number of characters that can fit within half the browser window (so that at least two comments can appear at the same time). Users can only comment on a book if they've purchased it and may select whether they show their nickname (defined in their profile) or remain anonymous.

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**As a** book commentator,
**I can** view the books I've purchased but not yet commented on,
**so that** I can choose which ones I'd like to invest my time.

SIZE: __

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**As a** book commentator,
**I can** use a rich text editor to author my comments,
**so that** I have greater artistic freedom in expressing myself.

SIZE: __

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**As a** book commentator,
**I can** receive an email notification based on my personal notification schedule to comment on a book I already purchased,
**so that** I that I can more easily share my opinions even though I have a busy life.

SIZE: 5

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**As a** book commentator,
**I can** choose whether I show the nickname defined in my user profile or remain anonymous,
**so that** I can have the privacy options I want on a case-by-case basis.

SIZE: 3

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**As a** commentator,
**I can** remove a comment at any time,
**so that** I can reconsider how I participate and have more control over my privacy.

SIZE:  2

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**Architectural Enabler (Spike):**
Research basic spam protection mechanisms for commenting.

SIZE: 3

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**As a** book commentator,
**I have** a visual indicator of how many characters I've typed and how many I have left,
**so that** I that I can more efficiently compose a review of allowed/appropriate length.

SIZE: 1

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**As a** book commentator,
**I can** change my comment up to one week after I comment on it,
**so that** I can still reconsider my opinion.

SIZE: 5

**FEATURE:** Commenting

**PRIORITY:** 10

**BENEFIT:** Users can comment on books they've purchased to help others in their selection process

**DESCRIPTION:** A single comment should be limited to the number of characters that can fit within half the browser window (so that at least two comments can appear at the same time). Users can only comment on a book if they've purchased it and may select whether they show their nickname (defined in their profile) or remain anonymous.

**Exploration enabler:**
Internally test the "is this comment useful?" functionality for PI 2,

SIZE: 5

**As a** commentator,
**I can** remove all comments at any time,
**so that** I can exercise my right to be forgotten.
Note: GDPR requirement.

SIZE: 5