**PROJECT SCOPE**

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| **Project ID** |  | **Date** | 9/18/2023 |
| **Project Name** | Software Book List | | |
| **Project Objectives** | (Describe what your application allows users to do)  Users can view software books and see ratings/comments about the books they’re looking at. Users can also create an account which allows them to rate and comment on books as well as save a “list” of books. They can mark these different books as books they’ve read, books they want to read, books they’re reading. Our main objective is to make it easier for people to gain insight from others about software books so that they can make more informed decisions about which books they are interested in. | | |
| **Product Scope Definition** | (List the technologies and expectations of the project to determine the size of it)  ASP.NET  Razor  Google.Books API  Azure  Postman | | |
| **Project Requirements** | (List the functionality required of the application for the product owner to accept it)  Functionality required:   * Filter and search books by language, frameworks, technologies, experience, etc. * User review score for each book * Details page for each book * Review comments and discussion about the book from other users on the Details page * User accounts * Community Page | | |
| **Project Boundaries** | (Identifies generally what is included within the project. It also states explicitly what is excluded from the project, if a stakeholder might assume that a particular product, service, or result could be a component of the project.)  In general, the project is for looking at software books and seeing what other people think of software books. It is not for buying books. So, there won’t be a way to purchase a specific book or anything. At most, we could potentially have links to other sites where you could buy the book (this would be a feature very far into the future). | | |
| **Project Deliverables** | (List the products you will deliver to the client)   * Software Book database * Ratings for each book based on user votes * Comments for book reviews and a discussion section for each book | | |
| **Product Acceptance Criteria** | (List the functionality required of the application for the product owner to accept it)   * Create user account * Filter/search the book database * See book ratings and comments * See details about a specific book * Add books to a “list” * User interaction in the Community Page | | |
| **Project Constraints** | (List stumbling blocks you might run into (funding, time constraints, lack of knowledge, etc.))   * Lack of knowledge is the largest constraint. Populating data for the books using an API is not something that we’re experienced with. This is also our first ASP.NET application. * Time constraints – with this being our first attempt at a larger, functional team project, we might aim too high to have everything finished by Sprint 5. Hopefully as we finish each Sprint, we’ll get a better idea of what we can accomplish by the end. | | |
| **Project Assumptions** | List any assumptions of the team and/or project (weekly time commitments, prior knowledge, meetings with product owner, etc.)  Weekly Meetings:   * Tuesday 1PM - 3PM on Slack (with Dominic & Dillon) * Wednesday 1PM - 3PM in the iTEC (Dillon is scheduled in the iTEC if we need help) * Fridays & Mondays: one of us are usually in the iTEC but these are sort of clean-up/help days if someone needs help on a PBI | | |
| **Initial Project Organization** | (List the team members and their roles and product owner)  Kennen Her  Tou Chang  Shaun Bohan | | |
| **Schedule Milestones** | (List tasks you expect to complete by the end of each of the five sprints)  Sprint 1:   * Initial documentation of project (diagrams, wireframes, etc.) * Get a basic web app hosted that resembles the bare bones of our site * Postman API calls to Google.Books   Sprint 2:   * Create a database and link it with the app (Entity Framework) * Register/Login functionality * Use Google.Books API to generate data in our database   Sprint 3:   * Class Libraries – organize code * View Components – widgets, nav bar, etc.   Sprint 4:   * Sorting & Filtering * Pagination   Sprint 5:   * User Profile Data (authorization/security considerations) * Rest API & HTTP Client * Application Logging | | |
| **Technology Plan** | (Describe the technology (programs, APIs, version control, etc.) to be used)  Google Books API  Visual Studio --- ASP.NET application  Azure  Microsoft SQL Server  Postman | | |
| **Approval Requirements** | (List the things needed to be accomplished for the product owner to accept the application)   * Users can view a list of software books sorted by rating * Users can view book details which includes discussion from other users * Users can search and filter books * Users can create a profile which allows them to create a list as well as mark books by a status in their list, rate books as well as comment on books | | |