

Proposal Template:

Project Participants:

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Title:

Auto Shop Inventory

Executive Summary:

This application will allow a user to create and access organized data focused around auto parts including auto manufacturers, models/trim levels, part types, prices, location, and cost. It will allow a user to create, read, update, and delete data. This could also be updated to allow for purchases and be used as part of an ecommerce website.

Initial Features:

Create a bulleted list of Initial Features. This will be a list of features that meet the requirements of the final project.

- Database Design -- maybe an ERD which demonstrates the design.
- A bulleted list of planned features you will complete in your project by the deadline.
- A list of API endpoints for each feature. *If you are working in a group, please note which team member will be assigned to each feature.*

Example of list of Features/Endpoints for a Library API:

- Entity Ideas: Users, Administration, Books, Genre, Checkout, BookReviews, etc.
- Operation (Endpoint) Ideas: (Think: what can a User (or Client Application) do when they use this REST API)
- Login, and use system
- Browse all Books (GET on Books)
- Browse Books by genre (GET on Books with genre specified)

- *View all details about a specific Book (GET on Books by primary key)*
- *Leave review on a Book (POST in BookReviews)*
- *Read reviews on a Book (GET on BookReviews)*
- *Checkout X amount of books at a time (POST in Checkout), set dueDate for 2 weeks from today (e.g. Checkout Date) and (PUT Change Status of Book to Unavailable)*
- *Return a Book (PUT Change Status of Book to Available, PUT Checkout to RETURNED status, POST Fee on Users, by primary key, if the book is past due, etc.)*

Stretch Goals (to be completed if time allows, or after graduation):

Create a bulleted list of Stretch Goals. These are Enhancements that you will add to your REST API after you get your initial features implemented. These should be features that may require more research in how to implement or features that would take longer than the allotted time frame.

- Add ecommerce features – purchase options and customer data.
- Build into ecommerce website for auto shop.