

### Project Proposal: AutoBuck Website

#### Project Proposal

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# 1. Introduction

## 1.1. About this Program

Someone is planning on purchasing a car. Unless they are complete car experts and mechanics, the majority of the time that person will have absolutely no idea if the purchase they are making is worth it or not. An automobile is an important and large investment which means that the buyer wants to choose wisely and get every pennies worth. This free program will allow any buyer to be able to see customer ratings of any car in the database, the safety ratings, the specifications, as well as the net worth of each vehicle. To take it up another notch, if one is having a tough time choosing between a selection of vehicles, our program will provide a "Compare Vehicle" selection that allow the user to be able to select multiple vehicles and compare their specs, prices, ratings, etc.

When selling a car, an un-experienced automobile seller--who is practically anyone who doesn't own a car dealership--won't know what to say about the specs of their car, and what a reasonable price would be for this car in its condition. AutoBuck will take care of all of these matters by providing all of the car specifications, and a suggested price range for the seller. Many websites sell cars but have absolutely no reviews for them and the information provided is very limited! This provides no use for the average Joe that doesn't know a lick about automobiles.

AutoBuck will have a selection for others to be able to rate a car they own, or have previously owned. The customer review and personal experience from others will open a whole other realm of trust for the buyers that are seeking for a perfect, reliable car. Anybody could say that the advice that they receive from real people that have gone through the same issue is the most reliable.

A question that many might ask is, "There is no way you can get every single car ever created in your database. What if the car doesnt exist within the database?" But No Fear! The incredible Graduates are here! If a vehicle does not exist within the database, we will provide a selection for others to be able to add a vehicle, as well as the information that they may know about that vehicle to the database. Although they might not know all of the information and specs that the cars provide, we will fill in the blanks for you!

Aside from the buyers and sellers using this program, people such as automobile fanatics will also have a chance to check for automobile specifications if needed. Our group has found ourselves searching for car specs quite often and it could get really tedious doing so through google. Our program will provide all of the key specs of any vehicle after simply selecting the car make, model, and year.

No one ever wants to settle for less when it comes to such a big purchase. Our vision is to make buyers happy and confident when purchasing a vehicle. We also want sellers to be internally fulfilled and satisfied due to the fact that they have provided useful information for the next owner of their car model, for there is no feedback in life like from those who lived it. So AutoBuck to make it worth your buck, Happy Shopping!

## 2. Users of AutoBuck

The project will be a user contribution based, initially the information will be mostly be contributed by the database managers that include general car information including model, make, year and other things, the reviews will be a user based contribution and should provide helpful information into the insights of that vehicle. The target is anyone who is looking for some technical information about the specifications of a car for any type of use. Anyone is able to register and create a user account and write reviews about a car they own.

### 2.1 Type of Users

#### Car Seller

A person who might want to sell their car might want to check what the average price for their car goes for.

#### Car Buyer

A buyer will be able to view different types of cars by their make, model, color, price range and other attributes. The buyer will be able to see other user reviews about the car they choose to select.

#### Car reviewer

A person who owns a particular car will be able to write and post a review and rate the car according to a scale, the user can post the pros and cons of the car and anything else in the review description that they think will be helpful in the review.

#### Anyone else who likes or is into cars

This app is also for anyone who is curious about car ratings and specs or those who might want to just compare their car to others or two different cars or see what people are saying about them.

The application is not just limited to users who create accounts, anyone is able to view information about a car and see reviews, a person who does not have an account logged in will not be able to rate and review cars.

## 3. User and System Requirements

Here we provide a list of requirements to complete this phase of the project:

- User - Will be able to log in, make changes to their account,
- Compare Cars-a user can choose two different cars that will be compared side by side
- Search- A user can search for a specific car or find vehicles by their attributes
- Create car- A registered user will be able to add a car that has not already been created
- Write review -A registered user is able to write a review to an existing car data sheet

In order to complete these tasks we will split the the project in a meaningful fashion, the user and system.

	Anon	User	Admin
View review/info	x	x	x
write review/delete review(same)		x	x
delete info			x
create info		x	x

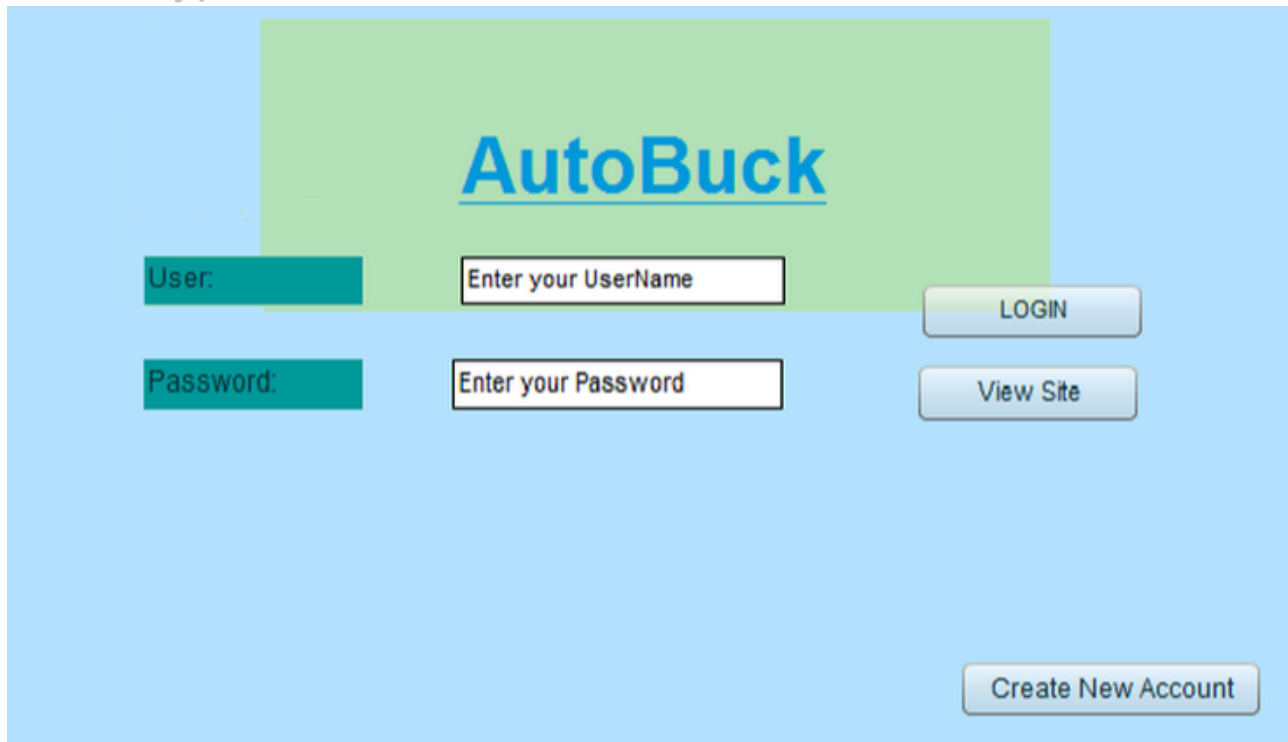
## 4. Implementation

In conclusion, the requirements provided will provide a structured template of the stages of the project.

The features that will be implemented are:

- Allow a user to create, personalize and delete an account.
- Searching and comparing vehicles.
- Advanced search and sort based on specifications, features, MSRP, horsepower, fuel economy, make, ratings, and year.
- Retrieving all data about the specific vehicle.
- Submit a review/rating on a vehicle.
- View ratings and reviews of a vehicle.
- User can add and view favorite cars.
- User can compare side by side two cars.
- User can create and add cars.

## 5. Prototypes



The image shows a prototype of a login menu for a website called "AutoBuck". The title "AutoBuck" is centered at the top in a large, blue, sans-serif font. Below the title, there are two rows of input fields. The first row has a label "User:" in a teal box, followed by a white input field with the placeholder text "Enter your UserName". The second row has a label "Password:" in a teal box, followed by a white input field with the placeholder text "Enter your Password". To the right of the "User:" input field is a blue button with the text "LOGIN". To the right of the "Password:" input field is a blue button with the text "View Site". At the bottom right of the form is a blue button with the text "Create New Account". The entire form is set against a light blue background.

Login menu

LOGOUT

Write Review

## Compare Cars

### Search Cars

Year



Make



Model



Search

Year

Year

1988

1989

1990

1991

Year



Make



Model



Compare

Search for a car or compare cars by selecting the Year, Make, and Model

### Logout

Write Review

See User Ratings

Name	INFO
Make	New
Model	New
Price	12,500
Year	2006
Mileage	24.5
Average User Rating	8/10



The 2006 Acura RSX is a front wheel drive car.....blah blah blah blah blah blah  
blah blah blah blah blah blah

See the car information

**REVIEW:**

Overall an awesome car

**PROS:**

Fast!,

**CONS:**

Heavy car weighs almost 2 tons

**EXTRA:**

I had this car for over 2 years and I love this car, I drive it in good weather whenever I can

Category	Rating
Gass Milage	5/10
Steering	7/10
Safety	8/10
Comfort	7/10
Style	11/10
Overall	8/10

[Next Review](#)

Riview 1/20

Read car reviews

**Ferrari****Tayota Tacoma**

INFO	Tayota Tacoma	Ferrari
Cost	New	
Milage	24	7
Safety	8	7
Year	2011	2012

[HOME](#)

Compare two cars

## Search BY

Type

Make

Model

Year

Ratings

### Car List

Type	Make	Model	Year	Ratings	Untitled
Truck	Tayota	Tundra	2011	8	<a href="#">INFO</a>
Car	Acura	NSX	2006	7.5	<a href="#">INFO</a>
Sports Car	Honda	S2000	2000	6.3	<a href="#">INFO</a>

[Logout](#)

Search Cars based on attributes, attributes may be added or changed