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**Summary**

Program will display a collection of listings with information gathered from the database. All property specifics will be available in plain view. Filter comboBox will allow properties to be filtered by state. Buttons such as owner and realtor details will open a different form displaying information pertaining to the owner and realtor. Purchase Property button will allow users to purchase the property, changing its status. Leave offer button will allow users to view offers made on the property (offers are static in database) and leave your own offer. Add a listing button will allow users to add their listing to the collection by filling out a form and submitting it to the database which is relayed back into the collection of properties. Reset selected and reset all buttons will change the status of a selected property or all properties back to active.

**Forms** – 6 forms

Form1 – overall template, complete with buttons and property information (base)

Form2 – Offers form

Form3 – Owner Details form

Form4 – Realtor Details form

Form5 – Credit Card form

Form6 – Add a property form

**Database**

One table is used named “listings”. All information is stored in this one table because all data displayed is accessed through the first column.

**Inheritance/Polymorphism**

Use of inheritance and polymorphism is utilized in the Purchase Property button. Abstract class “CreditCard” and derived classes “Visa”, “Master Card”, “American Express” and “Discover”. Class simple changes the label above the textboxes where you input your credit info.

**Future Improvements**

* Admin login
  + Accept / view offers
  + Admin only Add listings
* Error checking / validity of credit card
* Pictures specific to properties