

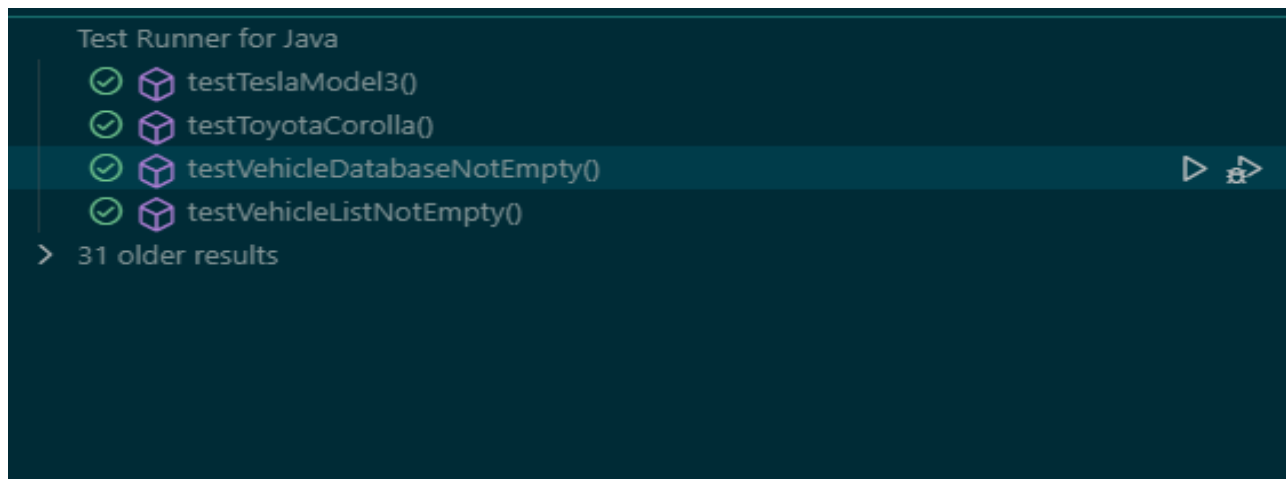
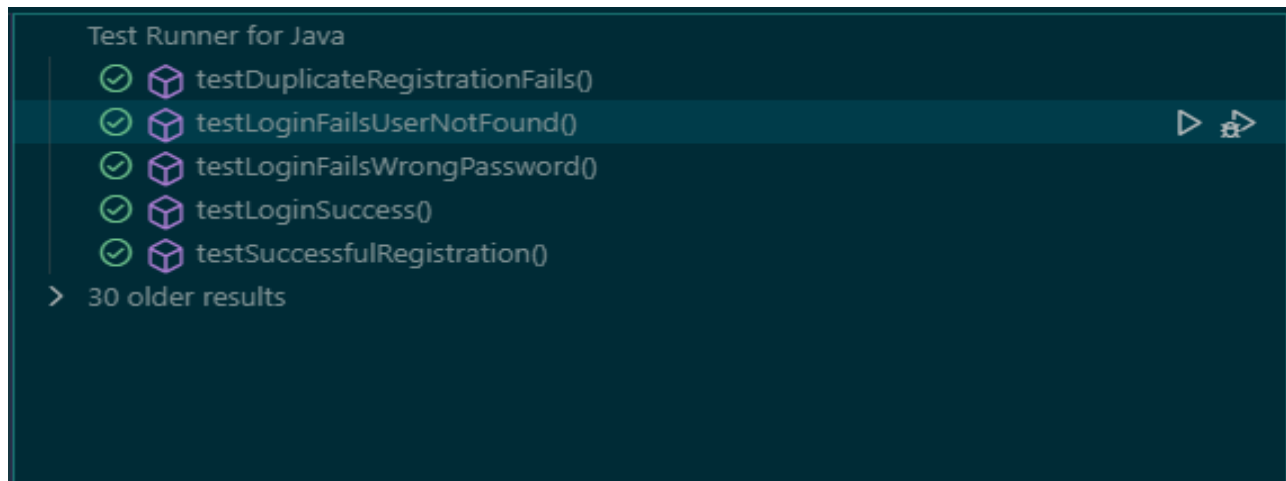
# Final Test Report

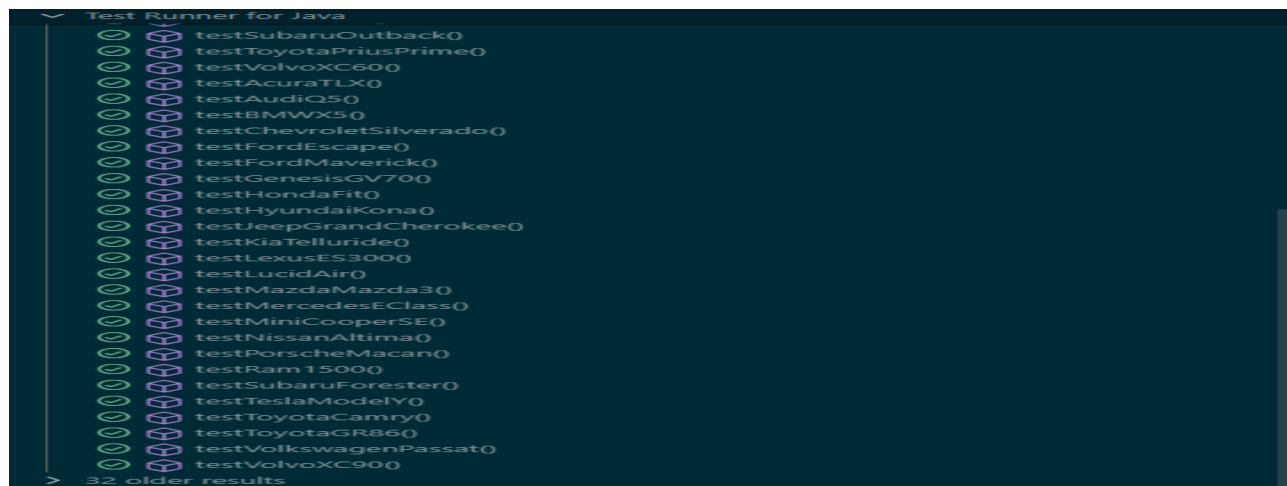
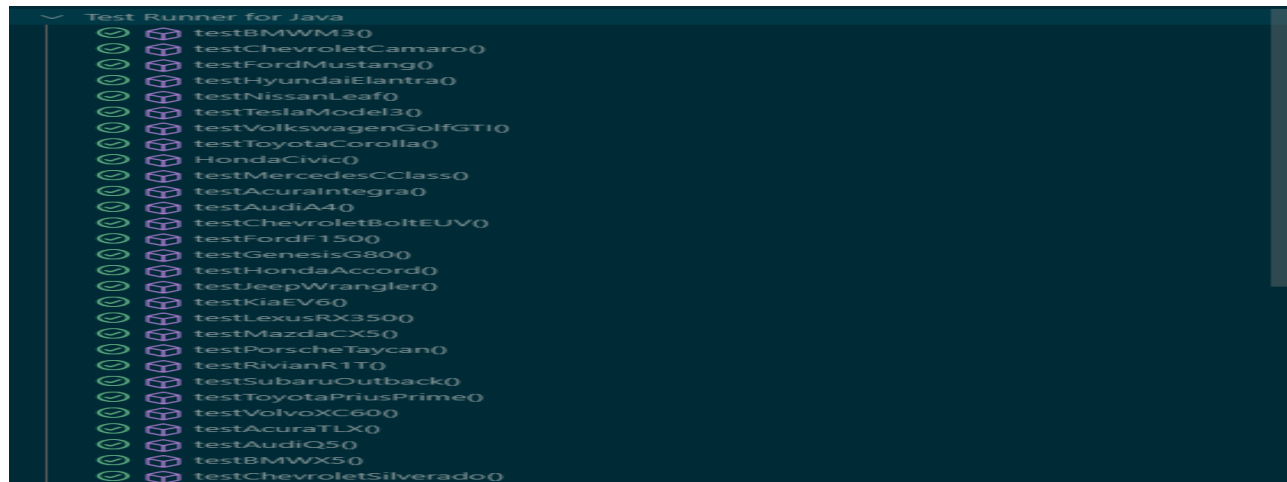
## LIRAM Auto Catalog System

This report summarizes the results of unit, integration, and system tests executed for the final project submission of the LIRAM Auto Catalog system.

### 1. Unit Tests

All unit tests were executed using JUnit in IntelliJ IDEA. The following screenshots show the results:

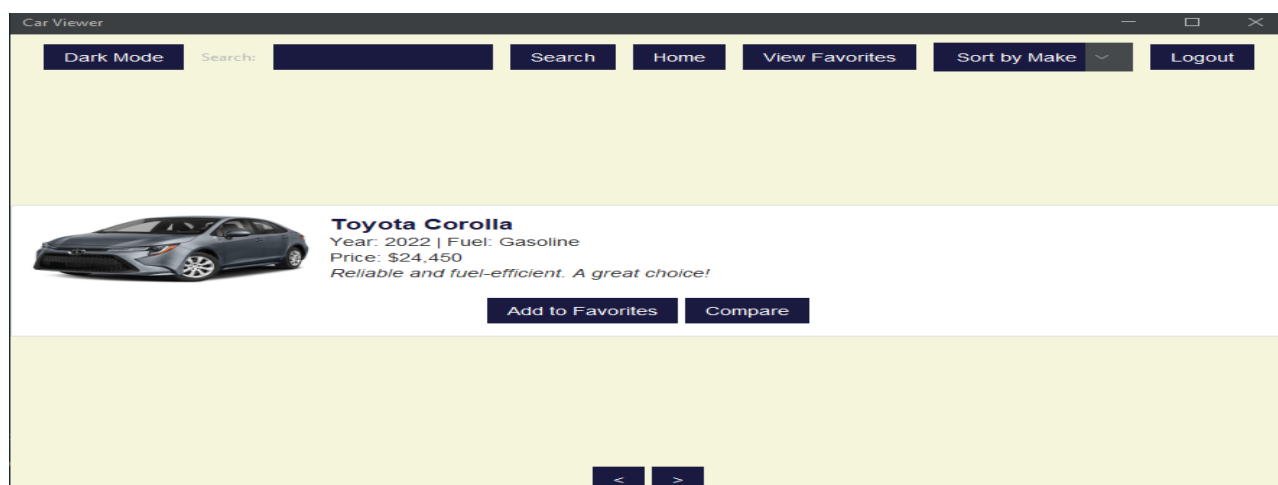
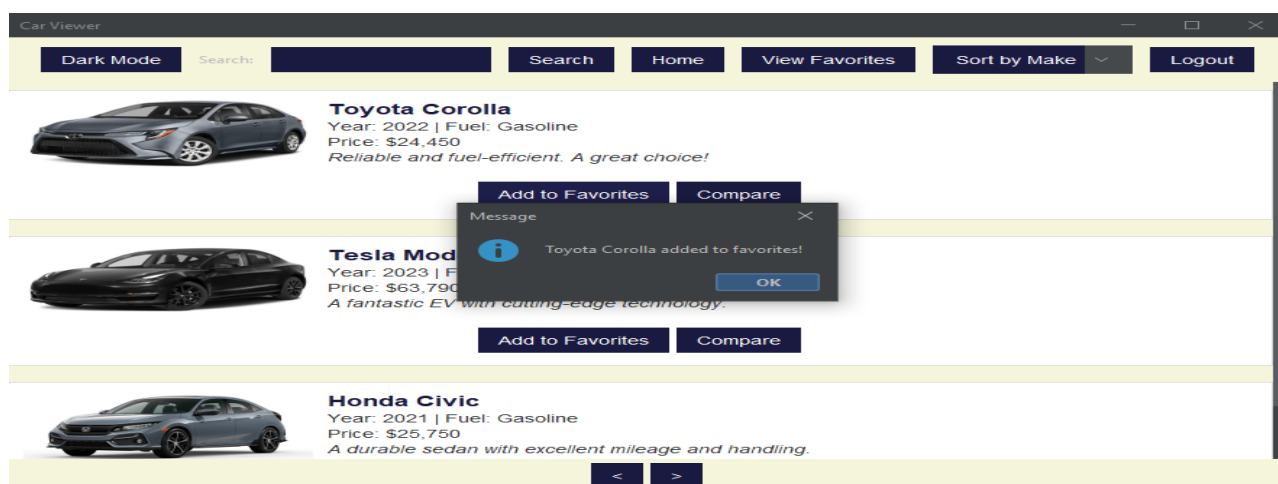
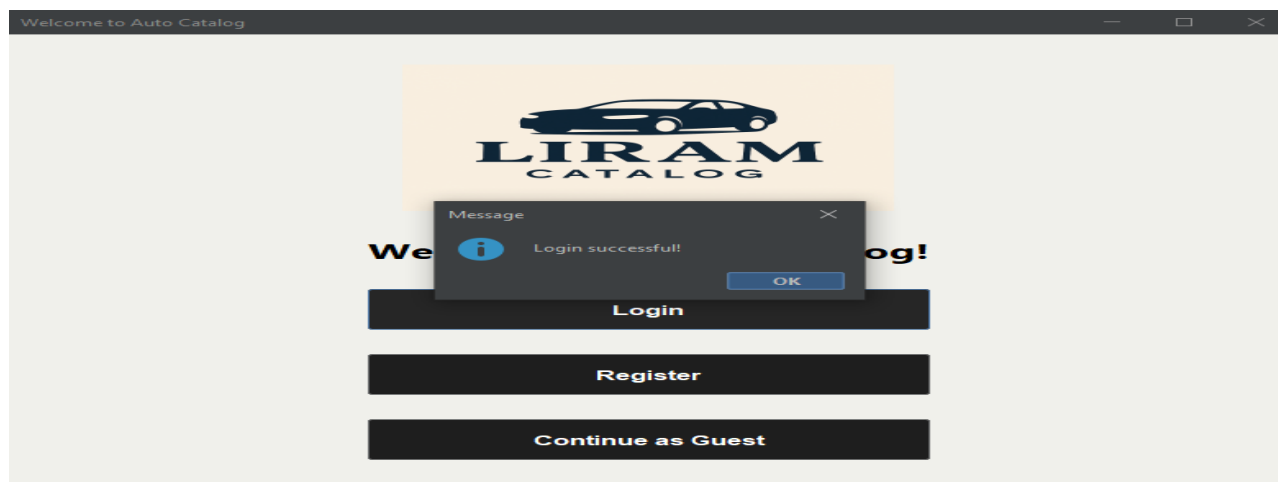


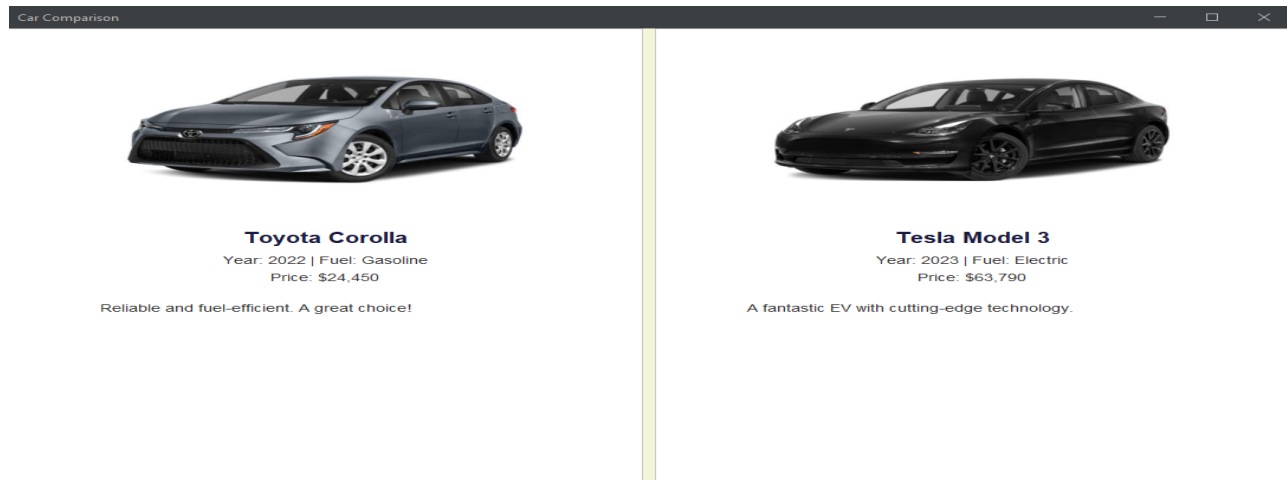


## 2. Integration Tests

Integration tests were performed manually to verify key workflows between modules and user interface functionality.

ID	Scenario	Screenshot(s)
IT-01	Login updates session	image.png
IT-02	Add to favorites and view favorites	AddToFavs.png + ShowFavs.png
IT-03	Vehicle comparison loads correctly	CompareCars.png

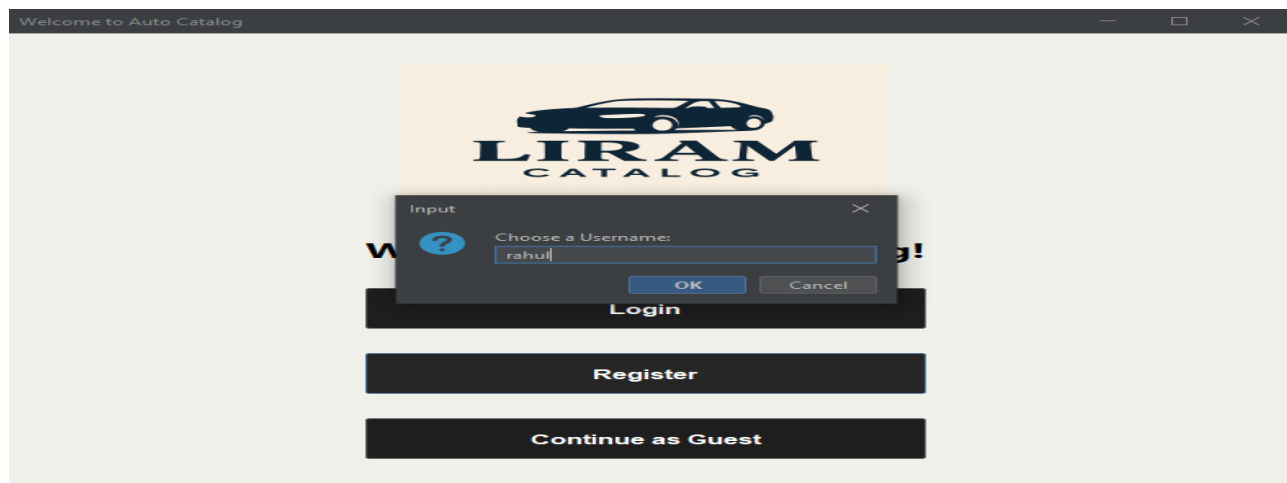


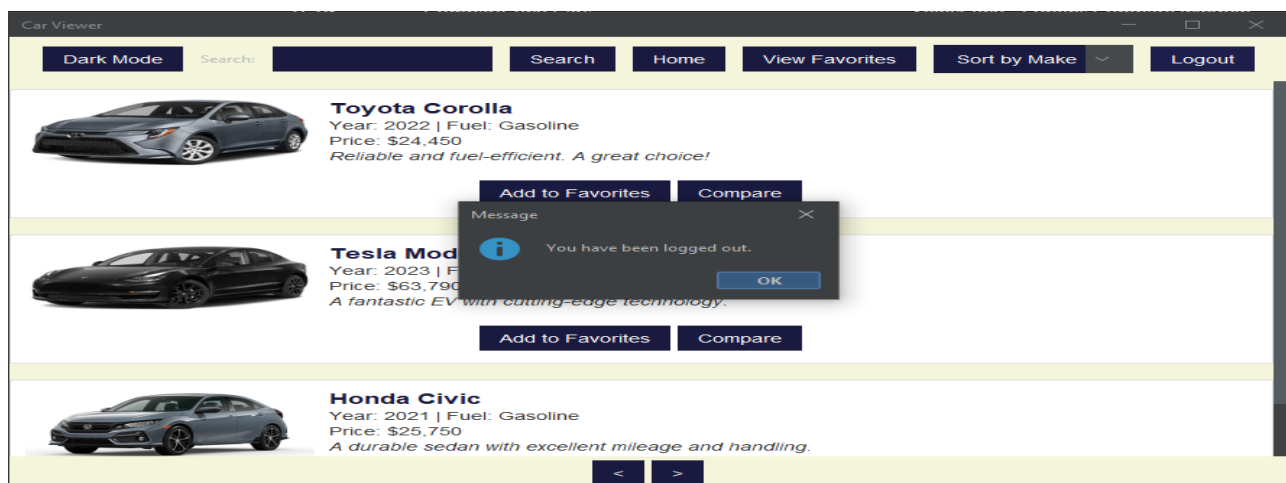
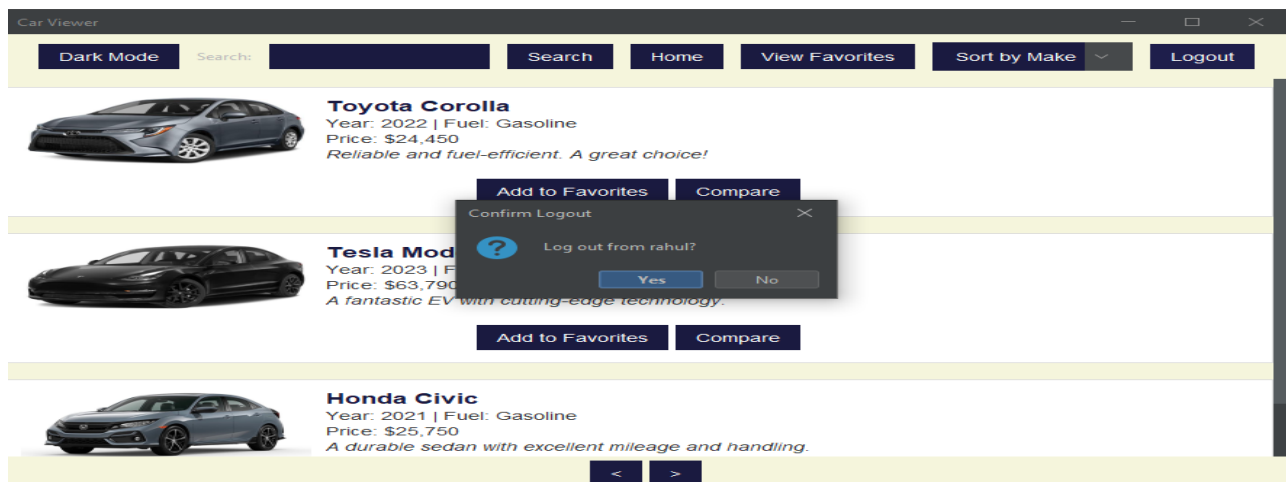
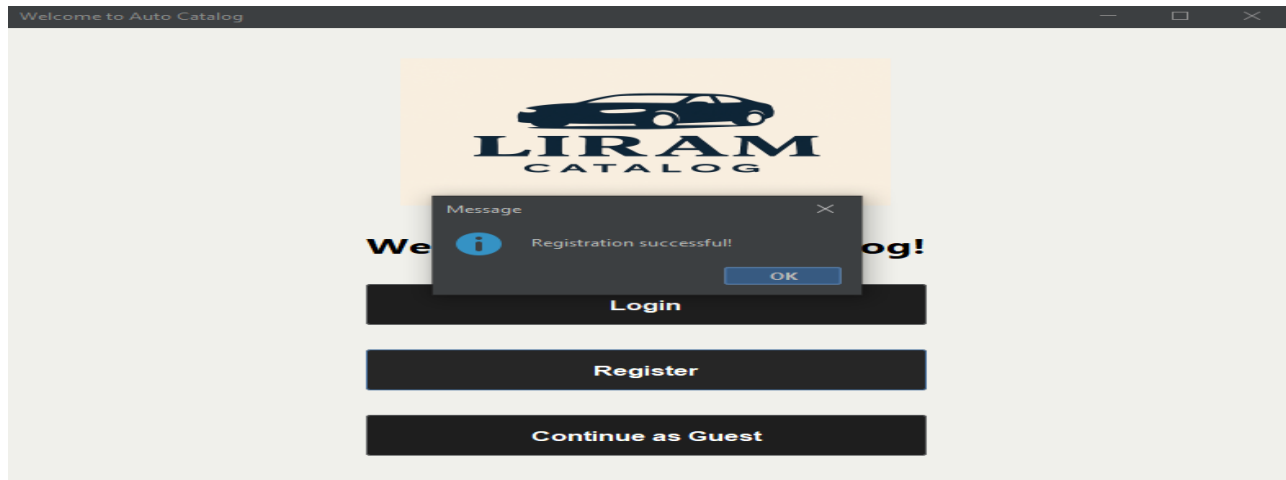


### 3. System Tests

System-level workflows were manually tested, covering full user interactions from login to search, sort, and UI personalization.

	Workflow	Screenshot(s)
1	Register → Login → Browse → Logout	Register.png, Registered.png, RahulSession.png, Logout.png
2	Guest attempts to favorite	GuestFavs.png
3	Search → Sort (make, price, year) → Toggle theme	TeslaSearch.png, SortbyMake.png, SortbyPrice.png, SortbyYear.png, DarkMode





Car Viewer

Dark Mode

Search:


Search

Home

View Favorites

Sort by Make


Login



**Toyota Corolla**  
Year: 2022 | Fuel: Gasoline  
Price: \$24,450  
*Reliable and fuel-efficient. A great choice!*

Add to Favorites

Compare



**Tesla Model 3**  
Year: 2023 | Fuel: Electric  
Price: \$63,790  
*A fantastic EV with cutting-edge technology.*

Add to Favorites

Compare




**Honda Civic**  
Year: 2021 | Fuel: Gasoline  
Price: \$25,750  
*A durable sedan with excellent mileage and handling.*

<

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Message

 Please log in to use favorites.

OK

Add to Favorites

Compare

Car Viewer

Dark Mode

Search:

Tesla


Search

Home

View Favorites

Sort by Make


Login



**Tesla Model 3**  
Year: 2023 | Fuel: Electric  
Price: \$63,790  
*A fantastic EV with cutting-edge technology.*

Add to Favorites

Compare



**Tesla Model Y**  
Year: 2022 | Fuel: Electric  
Price: \$87,500  
*Spacious electric SUV with autopilot features.*

Add to Favorites

Compare

<

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Car Viewer

Dark Mode

Search:

Tesla


Search

Home

View Favorites

Sort by Make


Login



**Acura TLX**  
Year: 2022 | Fuel: Gasoline  
Price: \$53,400  
*Performance sedan with premium features.*

Add to Favorites


Compare



**Acura Integra**  
Year: 2023 | Fuel: Gasoline  
Price: \$42,550  
*A revived classic with sporty appeal.*

Add to Favorites

Compare



**Audi A4**  
Year: 2022 | Fuel: Gasoline  
Price: \$47,200  
*A refined European sedan with advanced features.*

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Car Viewer

Dark Mode

Search: Tesla

Search

Home

View Favorites

Sort by Price

Login



**Honda Fit**  
Year: 2019 | Fuel: Gasoline  
Price: \$18,990  
*Compact yet versatile hatchback.*

Add to Favorites

Compare



**Hyundai Elantra**  
Year: 2022 | Fuel: Hybrid  
Price: \$22,099  
*A compact sedan with modern features and hybrid efficiency.*

Add to Favorites

Compare



**Toyota Corolla**  
Year: 2022 | Fuel: Gasoline  
Price: \$24,450  
*Reliable and fuel-efficient. A great choice!*

<

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Car Viewer

Dark Mode

Search: Tesla


Search

Home

View Favorites

Sort by Year


Login



**Honda Fit**  
Year: 2019 | Fuel: Gasoline  
Price: \$18,990  
*Compact yet versatile hatchback.*

Add to Favorites


Compare



**Toyota Camry**  
Year: 2020 | Fuel: Gasoline  
Price: \$31,550  
*Smooth drive and reliable performance.*

Add to Favorites

Compare



**Nissan Altima**  
Year: 2020 | Fuel: Gasoline  
Price: \$33,100  
*Mid-size sedan with a comfy interior.*

<

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Car Viewer

Light Mode

Search: Tesla


Search

Home

View Favorites

Sort by Make


Login



**Toyota Corolla**  
Year: 2022 | Fuel: Gasoline  
Price: \$24,450  
*Reliable and fuel-efficient. A great choice!*

Add to Favorites


Compare



**Tesla Model 3**  
Year: 2023 | Fuel: Electric  
Price: \$63,790  
*A fantastic EV with cutting-edge technology.*

Add to Favorites

Compare



**Honda Civic**  
Year: 2021 | Fuel: Gasoline  
Price: \$25,750  
*A durable sedan with excellent mileage and handling.*

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