

FUNCTIONAL SCENARIOS OF THE CAR RENTAL APP

In the four screenshots below, four different cases of using the App is shown. The cases cover different cars and models and also highlighted the different possible insurance options (basic, comprehensive and not needed insurance option)

The four screenshots show the DC RENTAL VALUER app interface for different car rental scenarios. Each screenshot displays the initial price, price with insurance, and final price after tax, along with the selected car details and insurance options.

Brand	Model	Year	No of Hours	Insurance Options	Initial Price	Price with insurance	Final price after tax
Honda	Accord	2020	4	Basic	\$78.0	\$85.8	\$98.67
Chevrolet	Silverado	2022	2	Basic	\$76.0	\$87.4	
Lexus	GX460	2021	10	Basic	\$320.0	\$352.0	\$404.8
Kia	Stinger	2021	2	Comprehensive	\$52.6	\$65.75	\$75.61

In the next screenshot, the user did not go into the Model box to select a model of Kia which would have been populated accordingly once you choose your brand of car. The GX460 is a model of Lexus and not Kia and that was the reason the App came up with an error message as it has the wrong brand and model combination.

The screenshot shows the DC RENTAL VALUER app interface with an error message displayed at the top. The error message states: "Invalid entry entered or you haven't selected an insurance option". The car details are: Brand: Kia, Model: GX460, Year: 2021, No of Hours: 10. The Insurance Options are: Basic, Comprehensive, Not Needed. The SHOW PRICE button is highlighted in green.

The next case depicted by a screenshot is the result of not selecting any insurance option and the App therefore returned an error message as shown below:

DC RENTAL VALUER

Invalid entry entered or you haven't selected an insurance option

Brand: Toyota

Model: Camry

Year: 2020

No of Hours: 5

Insurance Options

☒ Basic ☐ Comprehensive ☐ Not Needed

SHOW PRICE CLEAR

With a little tweak to the above by selecting any of the insurance option, the App returned the appropriate outputs as shown in the screenshots below:

DC RENTAL VALUER

Initial Price : \$110.0
Price with insurance : \$121.0
Final price after tax : \$139.15

Brand: Toyota

Model: Camry

Year: 2020

No of Hours: 5

Insurance Options

☒ Basic ☐ Comprehensive ☐ Not Needed

SHOW PRICE CLEAR

DC RENTAL VALUER

Initial Price : \$110.0
Price with insurance : \$137.5
Final price after tax : \$158.12

Brand: Toyota

Model: Camry

Year: 2020

No of Hours: 5

Insurance Options

☐ Basic ☒ Comprehensive ☐ Not Needed

SHOW PRICE CLEAR

DC RENTAL VALUER

Initial Price : \$110.0
Final price after tax : \$126.5

Brand: Toyota

Model: Camry

Year: 2020

No of Hours: 5

Insurance Options

☐ Basic ☐ Comprehensive ☒ Not Needed

SHOW PRICE CLEAR

Finally, another instance that could trigger an error message is entering a non-numerical value as the number of hours, and this scenario is depicted by the screenshot shown below:

DC RENTAL VALUER

Invalid entry entered or you haven't selected an insurance option

Brand: Toyota

Model: Camry

Year: 2020

No of Hours: 1xyz3

Insurance Options

☒ Basic ☐ Comprehensive ☐ Not Needed

SHOW PRICE CLEAR