

Product Identification Assistant

Idea Pitch & Presentation

Team – ThinkStrange

Statement

- The application allows users to capture a photo of any electronic product (could also include cars and electric appliances)
- The app will return with the identified product's brand, make and model, along with a comprehensive collection of tables filled with the application's features sorted based on different categories
- It would also include a component that compares that product's previous prices across different websites and plots the data on a graph
- It would also include a reviews component that shows the top most reviews for that product.
- Considering price, reviews and popularity of that platform of purchase, it concludes the best website to buy it from.

Features

- Easily figure out which product and what it is made of just by pointing your phone at it
- Dissimilar to google lens because lens just returns a bunch of search results while our application's goal is to give the information right away. raw facts.
- Eliminates the need of a salesperson at any store. One can use their own phone to scan a product and get a comprehensive outlook on it
- Shows you raw data, review and links to where to buy it from. Apart from that, also considers multiple factors and compiles a graph that predicts already-bought user's best choices.

Logic

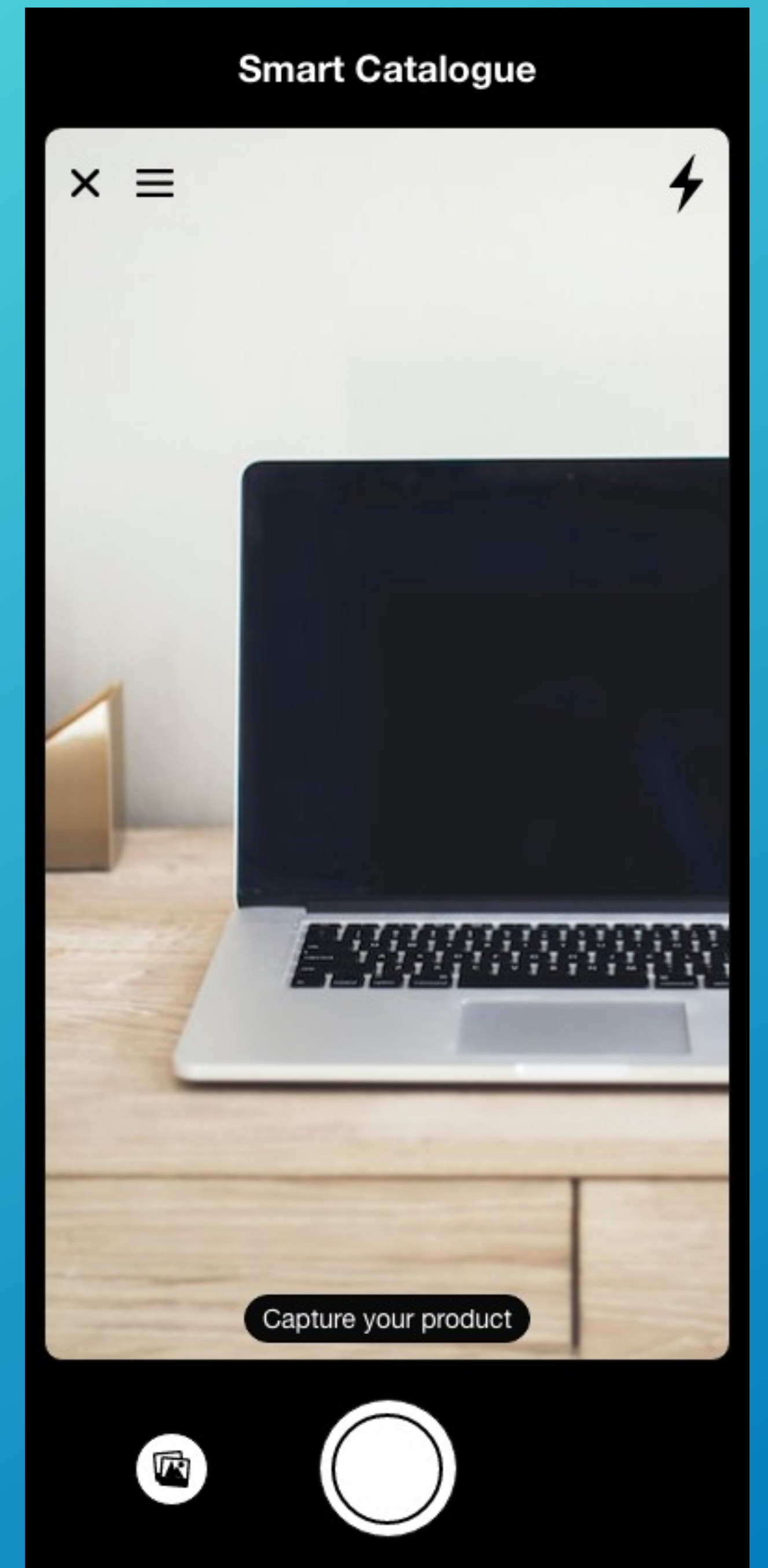
- To make sure every device gets identified, a small and discreet code can be beamed out of every device such that the application can pick that signal, verify that code with an existing DB, and return the properties of that signature which are the results the user gets to see.
- Once post verification and pre service, the model will update the properties of that product to the latest standard and then delivers the entire set.

Limitations

- Most products don't have a signal that emits a code unique to the app
- Implementing the code signal would mean to write different programs for every category or type of product in the market
- Another way of approaching this, in-order to eliminate the above two points, would mean to directly compare the taken image to an already existing dataset. But here probability plays a huge role, and getting the right details for the right product is crucial.

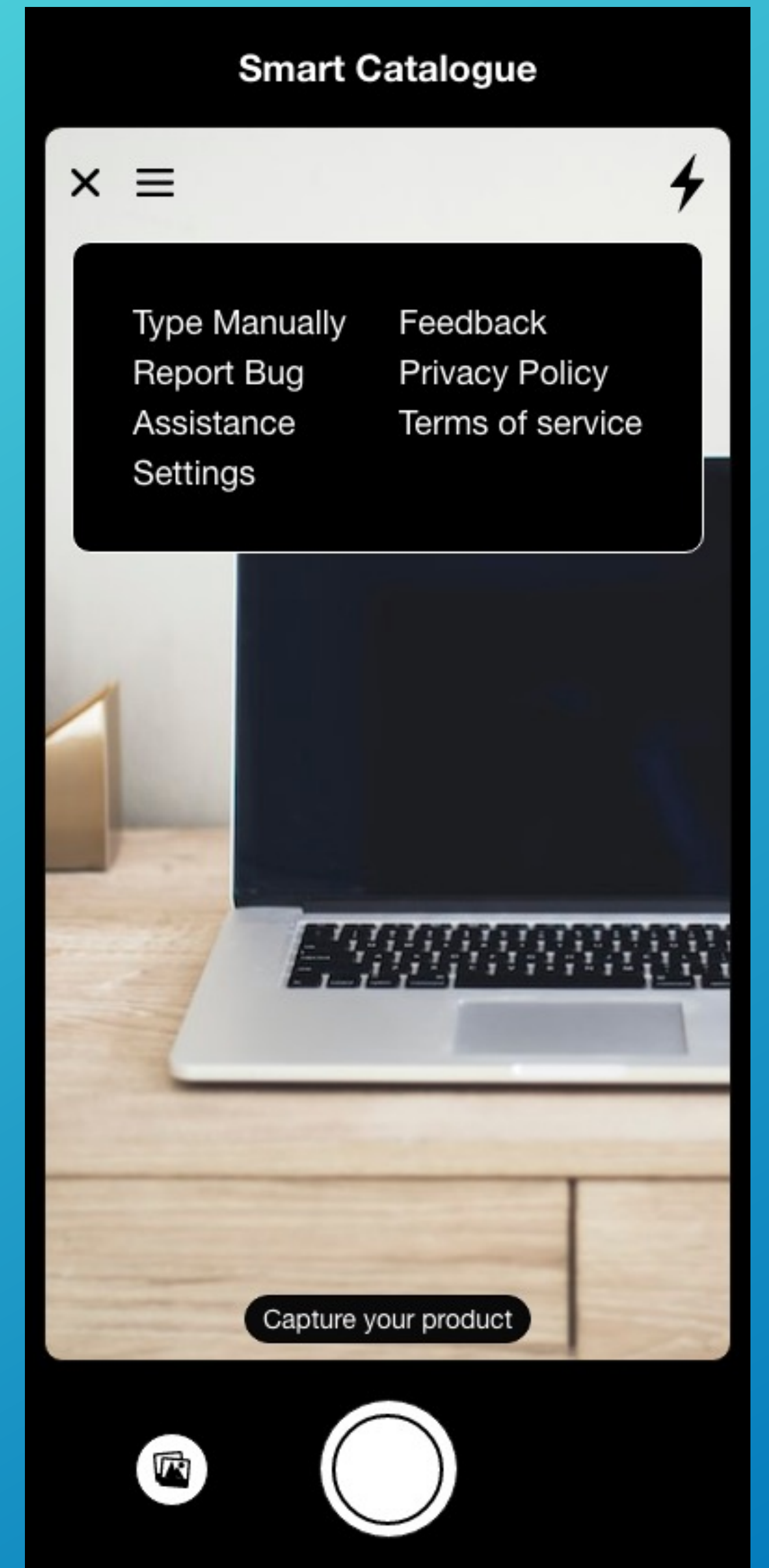
Home

- We can capture the image using our camera



Home Menu

- Menu popup at the home page



Product Information

- Once the camera takes the pic, the application processes the image and returns the details

Smart Catalogue


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Product Identified

Dell XPS 9570

Released: May 2018
Type: Windows PC
Category: Laptop
Probability: 80%

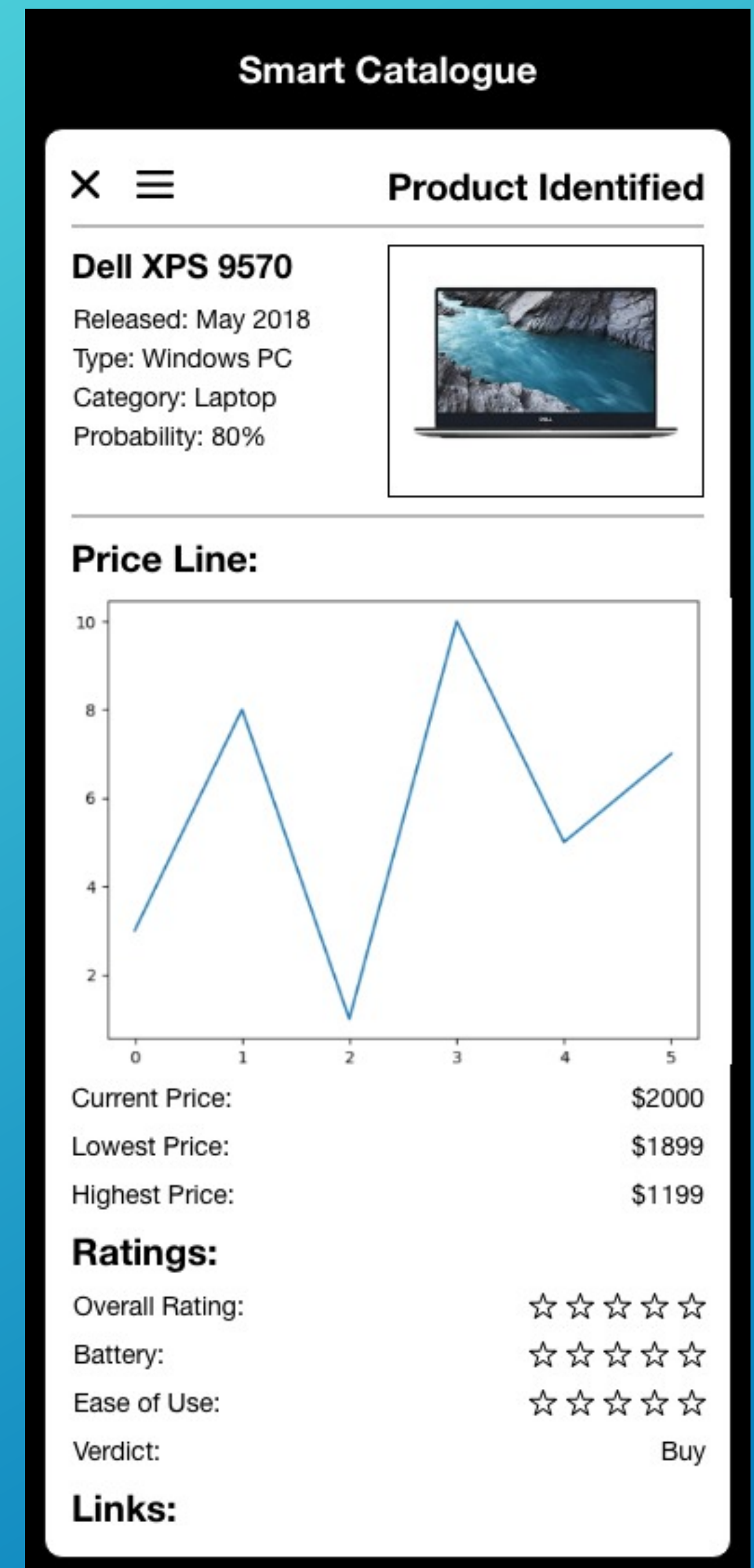


Specification:

Brand:	Dell
Model:	XPS 9570
Model Number:	9570
Series:	XPS
Dimensions (mm):	357.00 x 235.00 x 17.00
Weight (kg):	1.8
Colors:	Silver
Operating System:	Windows 10
Battery Cell:	6
Size:	15.60 Inch
Resolution:	1920x1080 pixels
Touch Screen:	No
Processor:	Intel Core i7 8th Gen 8750H
Base Clock Speed:	2.2 GHz
Cache:	9MB
RAM:	8GB
RAM Slots:	2
Expandable RAM:	Upto 16GB
Graphics Processor:	Nvidia GeForce GTX 1050 Ti
Graphics Type:	GDDR5

Product Information - contd.

- The app has features to compete the price graph considering all the factors such as events, offers, coparisions between multiple ecomm websites and compiles it neatly.



Product Information - contd.

- The app is not limited to devices. It can capture and identify cars or even appliances

Smart Catalogue


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Product Identified

Tesla Roadster

Latest: 2021
Type: Electric Car
Category: Vehicle
Probability: 80%

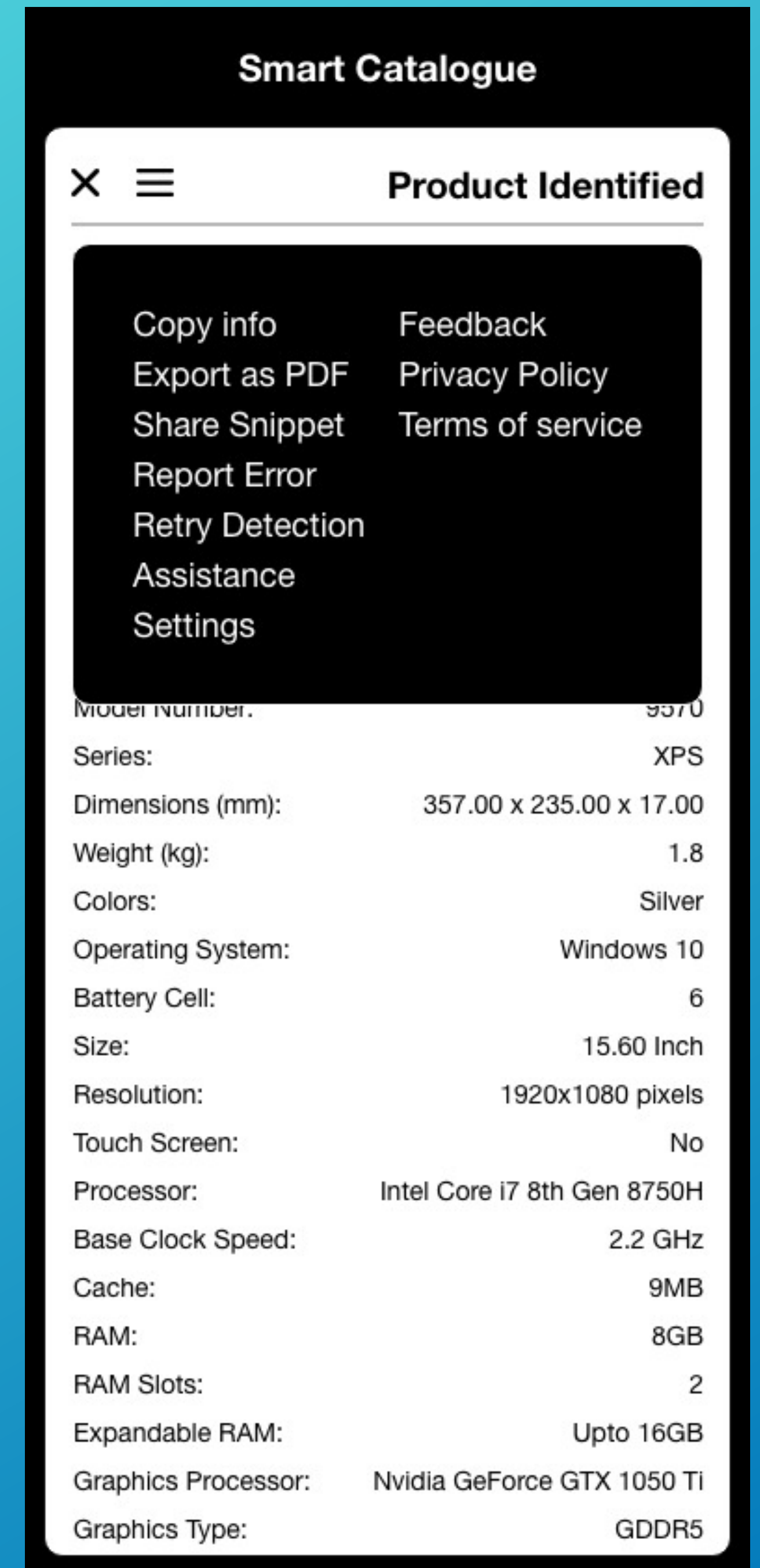


Specification:

Brand:	Tesla
Model:	Raodster
Model Number:	2021
Series:	Roadster
Dimensions (mm):	3,946 x 1,873 x 1,127
Weight (kg):	1,304.99
Colors:	Red
Acceleration 0-60 mph	1.9 sec
Acceleration 0-100 mph	4.2 sec
Acceleration 1/4 mile	8.8 sec
Top Speed	Over 250 mph
Wheel Torque	10,000 Nm
Mile Range	620 miles
Seating	4
Drive	All-Wheel Drive
Base Reservation	\$50,000
RAM Slots:	2

Product Information Menu

- All the options the user is offered with once a product has been identified



Thank You

Nice experience