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Automated Car Recognition

The main idea of our project is to help people with car recognition. There are people that are not so passionate about cars but want to know what brand is a specific car in order to look further after it. In foreign countries certain brands of cars are far more used than in our countries (e.g. Sweden with Saab). So instead of asking people about the brand you just take a picture of the car and feed it to the app. You will get your answer as soon as possible.

Our data consists of black and white pictures of multiple brands that will be fed to our program. In the first phase the pictures will show the cars from front and a scenic view of it. Second phase will consist of pictures of the headlights and the grill of the cars. Third phase will be pictures of the headlights and grill independently of each other.

Until now two car recognition apps have been made: Blippar and Car Capture. Both of them are trying to identify specific features of each brand but compared to our idea, Car Capture focuses on the back of the car.

For the next lab we will come up with more details and the 2 techniques and libraries that we are going to use.