Period: 20-29 April

There has been a rapid development of our application this week. We have also written our Testing Specifications Report.

Events:

- Testing Specifications Report has been written, it is reachable at https://senior.ceng.metu.edu.tr/2011/raven/index.php?option=com_jdownloads&Itemid=2&view=viewdownload&catid=3&cid=6
- We have tried Haar cascade classifiers to detect cars. The results was not satisfying. The main reason for that is the size of training set of negative and positive images. To use Haar cascade classifiers, one has to have a set of consisting of at least 3000 positive and negative images and that size goes beyond the scope of this senior project. Details of our experiment can be seen in https://senior.ceng.metu.edu.tr/trac/raven/wiki/haarcascade
- We have ported surfdetector class from c to c++. From now on, we have decided to use C++ for OpenCV related tasks.
- We have heavily made development in this week. We have focused on creation of database and implementing recognizer and detector modules.

Tickets resolved this week:

- Ticket #3 create database for car records
- Ticket #16 c++ database connection/request interface
- Ticket #17 convert opencv c codes into opencv c++
- Ticket #19 create basecardetector class
- Ticket #20 create basecarrecognizer class
- Ticket #22 create surfrecognizer class
- Ticket #22 create surf detector class