Popularity of face recognition in image galleries and social networks is growing. But none of these real world applications let the user adjust parameters. The goal of this thesis is to develop a library for face detection and recognition which can be easily used in some other program and also a web application recognizing faces, with environment similar to the one of social networks, which uses the library. Of course we do not try to compete with big social networks in the field of face recognition, because it will be almost impossible due to their enormous databases. In the experimental part of the work we try to find most suitable parameters such that face detection and face recognition would be as accurate as possible.