Universidad Autónoma de Colombia
Image Processing

Course Project – 2018-2

DESCRIPTION

You must develop a windows application able that is able to recognize several dices in a picture. Application must read an image file of one or more dices over a table. You can assume that:

-   Dices are always white, with square faces.
-   Image is taken from above, so only one face of each dice is observed.
-   Table has a dark color.
-   There are at most four dices.
-   Dices never touch each other.

After file processing, application must show the following information:

-   Number of dices.
-   Sum of values of all dice's faces (showed in picture).

EXAMPLE IMAGE

Expected messages:
Number of dices: 2
Sum of values: 8

CONDITIONS

- Application must run on Windows S.O.
- Application should process color images in .png format, with a maximum resolution of 3000x3000 pixels.

PRESENTATION

- Software must be presented by authors in a course session
- Code must be original
- All source code must be upload to GitHub at least two weeks before presentation
- All source code must be written in english