CTIS 255
WEB TECHNOLOGIES 1
Fall 2015
PROJECT
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Deadline: 25 Dec 2015, 12:00
Submission: Through Moodle
Teamwork: No grouping, individual work
Filename: Name_Surname.zip

SUBJECT

You will implement a puzzle using HTML, CSS, Javascript and jQuery. The system will divide the image into 9 pieces, and distribute randomly. The user tries to bring the pieces together to form the orginal image. She selects a piece by clicking on it and place it onto appropriate place on the puzzle board. When all pieces form the correct image, it displays "Congratulations" text. If the user does not solve the puzzle by herself, she can see the solution by clicking on "solve" button. Watch the given animation file (*WatchMe.mp4*) that shows what you are supposed to do. Use your own picture. Its size would be 300x300pixels, each piece is 100x100pixel.

Grading Criteria:

1. **(20Pts)** Design the initial appearance of the page. Use at least one google font. See Figure 1.

2. **(5Pts)** "Solve" button changes its appearance when the mouse enters and exits.

3. **(15Pts)** Distribute 9 pieces into "Pieces" region randomly.

4. **(5Pts)** When you click on a piece in "piece" region, select it and mark its border with yellow color.

5. **(15Pts)** After selecting a piece, if you click an empty cell in the "puzzle" region, show the selected piece in the clicked cell. Fade out the piece in "pieces" region.

6. **(15Pts)** If you click a cell with an image in Puzzle, remove it from the clicked cell and show it in "Pieces" region at the initial position.

7. **(10Pts)** If you place all the pieces in the "puzzle" region, "Congratulation" message appears with an animation.

8. **(15Pts)** If you click "Solve" button, an animation shows pieces moving from "pieces" region to correct "puzzle" region. It shows "Finished" message with an animation.
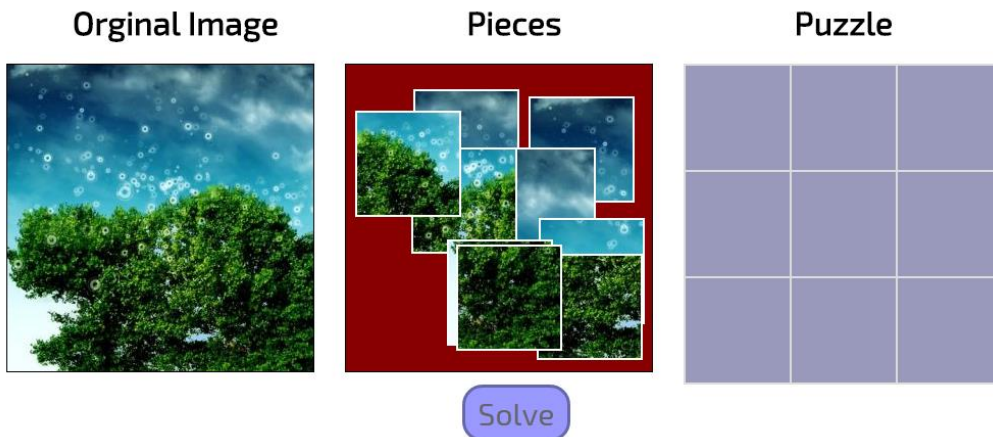

Figure 1 : Initial Page.