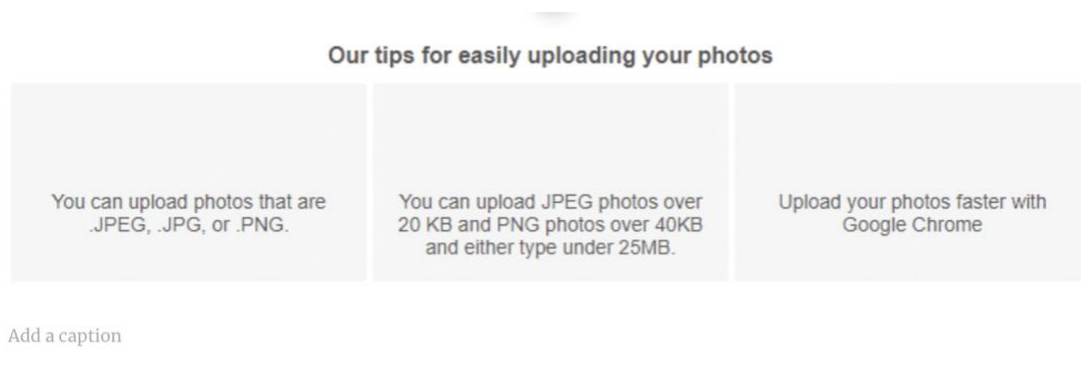


23.4 Test Design Techniques: Decision tables: Homework

- Create a decision table for the functionality of the [photo box site](#), shown below (attached as a file):

Example (what is expected in this HW):

1. Define what formats could a file have
2. What to do if the file has another format
3. What sizes could a file have
4. Could equivalence classes and boundary values be defined for size
5. What is the result list of formats and size classes
6. What combinations of format + size are possible
7. What action is expected for every combination
8. Create the decision table in a proper format, using the information from steps 1-7



1. Define what formats could a file have

.JPEG
.JPG
.PNG

Any other format, for example .GIF, .TIFF, .BMP, .PDF sometimes, .HEIC, .SVG, .EPS, .PSD, .AI, .Raw etc.

2. What to do if the file has another format

If the file has another format to make it "not reachable" for uploading.

Let it impossible to the user to choose file in another format.

In case, then a user can choose a file - not upload it, show error message.

3. What sizes could a file have

0-19KB

20 KB < .JPEG , .JPG < 25MB

40 KB < .PNG < 25 MB

Over 25MB

Here there are no information about exact minimal and exact maximum size.

Can we upload .JPEG file = 20KB?

Can we upload .PNG file = 40KB?

Can we upload .JPEG, .PNG file = 25MB?

Let's set it:

20 KB <= .JPEG , .JPG <= 25MB

40 KB <= .PNG <= 25 MB

4. Could equivalence classes and boundary values be defined for size

Equivalence classes and boundary values could be defined for size.

Equivalence classes:

0-19KB, 20-39KB, 40KB-25MB, over 25MB

Boundary values:

20KB,

40KB,

25MB.

5. What is the result list of formats and size classes

Equivalence classes:

Positive: format of file (.JPEG, .JPG, .PNG), size: 20-39KB, 40KB-25MB.

Negative: format of file (other than .JPEG, .JPG, .PNG, for example .GIF, .TIFF, .BMP, .PDF sometimes, .HEIC, .SVG, .EPS, .PSD, .AI, .Raw etc.), size: 0-19KB, size over 25MB,

6. What combinations of format + size are possible

0-19KB any format,

20KB-39KB - .JPEG, .JPG,

40KB-25MB - .JPEG, .JPG, .PNG,

Over 25MB – any format.

7. What action is expected for every combination

Positive combinations (file should be uploaded):

20KB-39KB - .JPEG, .JPG.

40KB-25MB - .JPEG, .JPG, .PNG.

Negative combinations (file should not be uploaded):

0-19KB - any format,

20-39KB - .PNG, any format except .JPEG, .JPG,

over 25MB any format.

8. Create the decision table in a proper format, using the information from steps 1-7

Conditions	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6	Rule 7	Rule 8	Rule 9	Rule 10	Rule 11	Rule 12
0-19KB	TRUE	TRUE	TRUE									
20KB-39KB				TRUE	TRUE	TRUE						
40KB-25MB							TRUE	TRUE	TRUE			
over 25MB										TRUE	TRUE	TRUE
.JPEG, .JPG	TRUE			TRUE			TRUE			TRUE		
.PNG		TRUE			TRUE			TRUE			TRUE	
any format (not .JPEG, .JPG .PNG)			TRUE			TRUE			TRUE			TRUE
Actions												
Upload				X			X	X				