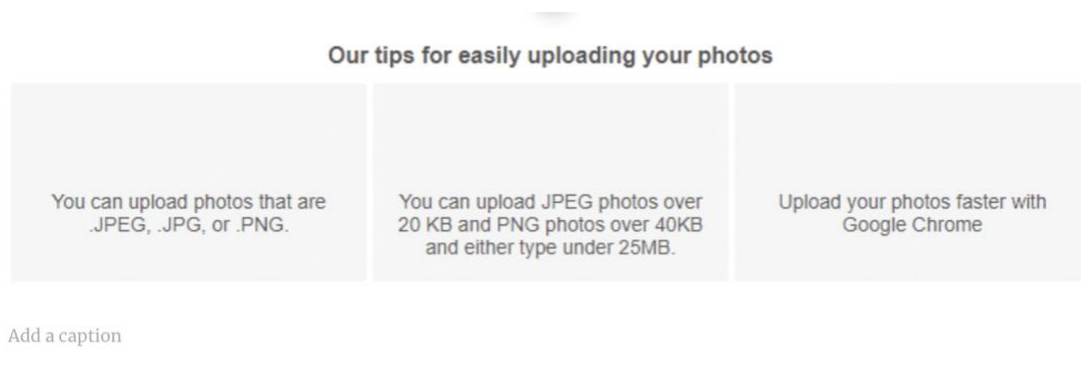


## 23.4 Test Design Techniques: Decision tables: Homework

- 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
<b>Actions</b>												
Upload				X			X	X				