

Design Inspection, Code Inspection & Unit Testing

Team 1

Christopher Wirt, Manik Kalra, Scott Little, Krishnabh Medhi, Kartik Sawant

Design Inspection

Product	Gif-Maker Design Inspection		
Date	02/11/15		
Author	Gif-Maker Team		
Moderator	Scott Little		
Inspectors	Christopher Wirt, Kartik Sawant, Manik Kalra, Krishnabh Medhi, and Scott Little		
Recorder	Krishnabh Medhi		
Defect #	Description	Severity	Correction
1	Pictures of different sizes were not resized when the gif was made.	1	Autoresize all pictures to the size of the first picture.
2	Uploading a picture on the UI displays last picture uploaded first.	1	Reserve the order that the pictures were uploaded to be first uploaded, first displayed.
3	Default frame duration was too less and caused the whole gif to play in a blur	2	Set default duration of a frame to 50ms
4	When gif is created, all images disappear from the filmstrip	2	Make sure images only disappear when the user

			refreshes the page
5	Users cannot see all the pictures added if too many are added.	3	Make film strip horizontally scrollable

Code Inspection

Product	Gif-Maker Code Inspection		
Date	02/11/15		
Author	Gif-Maker Team		
Moderator	Christopher Wirt		
Inspectors	Christopher Wirt, Kartik Sawant, Manik Kalra, Krishnabh Medhi, and Scott Little		
Recorder	Kartik Sawant		
Defect #	Description	Severity	Correction
1	Default values for the universe object in getUniverse() were not set properly, and were causing unexpected bugs.	1	All default values for the universe object in getUniverse() set to 0
2	When adding a new picture frame to the gif, the frame duration for the new picture is set as the default value.	1	Fixed code to set the frame duration to the user set/old settings value
3	Uploading to the application accepted files that were not image or gif files.	1	Make sure only image or gif files are uploaded

4	Pictures not being deleted after delete all button has been clicked.	1	Clear universe when delete all button has been clicked
5	Used a proposed (still in development) JavaScript element called <i>Observer</i> , to keep track of changes on models, which only works on Google Chrome browsers.	2	Now using a 3rd party library called <i>Observe.js</i> , that mimics this functionality along multiple evergreen browsers
6	The state of the application was not being saved properly whenever an edit was made.	2	Call <i>ObserveAndSave()</i> every time there is an edit
7	When user clicks the generate button, it does not download the gif to the local filesystem	2	Generate a base 64 encoded link for the gif, and simulate a click for that link to make it automatically download
8	When picture of different size is added to the universe, the pictures are not resized in the film strip.	3	Edit picture size before displaying it on the film strip to match to size of the first picture
9	Content does not resize when the size of the window is changed.	3	Add CSS code to make the content resize according to the browser

			window.
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Unit Test

Product	Gif-Maker Unit Testing		
Date	02/11/15		
Author	Manik Kalra		
Defect #	Description	Severity	Correction Criteria
1	When multiple pictures would be added, a confirmation pop up shows for every picture.	1	Instead of pop ups, the pictures will be displayed on the film strip.
2	After a gif has been created in one tab, if another tab is opened the film strip would have the same images as the other tab.	1	Opening a new tab will create a new instance of the application.
3	When a user clicks on the click image button to capture an image and upload it, the application will crash if the device does not have a camera.	1	Add better error handling to ensure the application cannot crash in this instance.
4	When attempting to generate a gif without pictures, a crash occurs.	2	The application will handle this specific encounter
5	When adding a non-picture file, a crash occurs	1	Check inputted file before attempting to make gif.
6	Clicking on 1.5x, 2x or 5x would make the gif slower rather than faster	2	Change code to DURATION/MUL

			TIPLIER instead of DURATION*MULTIPLIER
7	Uploading a file larger than MAX_SIZE is accepted, and causes a crash.	2	Reject file if over MAX_SIZE.
8	Entering a number smaller than MIN_MULTIPLIER succeeds and causes unexpected results.	3	Reject multiplier values less than MIN_MULTIPLIER
9	Entering a number larger than MAX_MULTIPLIER succeeds and causes unexpected results.	3	Reject multiplier values more than MAX_MULTIPLIER