

File Manager Task

Task: Develop the client side File Manager

Requirements:

JS-01	The list of files should be displayed as a table. The mock up is displayed below (Figure 1)
JS-02	The list of incoming values should be a JSON object (the data structure of JSON to be provided by the candidate)
JS-03	The ascending/descending sorting should be done on the client side upon click on the respective column
JS-04	The user should have the ability to filter the visible list by file name (* is any string, *ex* - will return the list of file names that have 'ex' string inside the name)
JS-05	The row comes visible and active upon click on it. None of the rows are active upon click outside the table
JS-06	If the row is active and based on the file type selected by user, the additional menu is displayed to the user: <ul style="list-style-type: none"> • For any file – the link to download • For any file – the link to add to Bookmarks • For web-page and image – the link to Preview • For web-page and text file – the link to Edit
JS-07	The user should have the ability to see the list of Bookmarks
JS-08	The requirement related to filtering/sorting (JS-04) should apply to the list of Bookmarks
JS-09	The user should be able to add/delete the same files to/from Bookmarks unlimited amount of time
JS-10	The user should be able to create text file and web-page
JS-11	The user should be able to upload an image (only JPEG, PNG, GIF) from the local drive
JS-12	The user should have the ability to upload the image from his Facebook album
JS-13	For the text files provide the ability to for visual editing (the selected text can be bold, italic, underline, crossed)
JS-14	Visual editor should provide the ability to add images in case of web-page editing. The user should be able to select the image form the list of files
JS-15	The clear notification should be provided to the user after any change (file creation/upload, adding Bookmark etc.). The dialog box with clear message indicating what has changed
JS-16	The corresponding tracking code should be sent to Google Analytics upon click on the button of file list, upload, preview, download

Technology requirements:

TR-01	Use JQuery to work with elements on the client side
TR-02	Use jQuery UI or Bootstrap for user interface elements
TR-03	The task should be completed using any of the frameworks below: <ul style="list-style-type: none"> • AngularJS

	<ul style="list-style-type: none"> • Backbone • Ember • CanJS • Knockout
TR-04	Use Template Engine in order to display the elements. The choice for Template Engine depends on the TR-03
TR-05	The File Manager should work on PC (Internet Explorer 10+, FireFox 33, Google Chrome 34), and on mobile devices (Android 4+, iOS 6+)
TR-06	In order to test the task completion, the code should contain the JSON with incoming data.
TR-07	The data should be stored in localStorage when we launch the application the first time. All the following operations should use the localStorage as well
TR-08	The application should work in the browser only without a need to set up the local/remote server
TR-09	It would be a plus to use CSS3 to do the transformation between windows of application

Figures:

File Name ^	File Type	Size (Kb)	Action
<div><div></div>index.html</div>	Web page	13	Select file at the left side by clicking on it
<div><div></div>contact.html</div>	Web page	12	
<div><div></div>sample.png</div>	PNG image	65	
<div><div></div><div></div></div>			

File List

Bookmarks

Upload

Create New

Figure 1 – The list of files

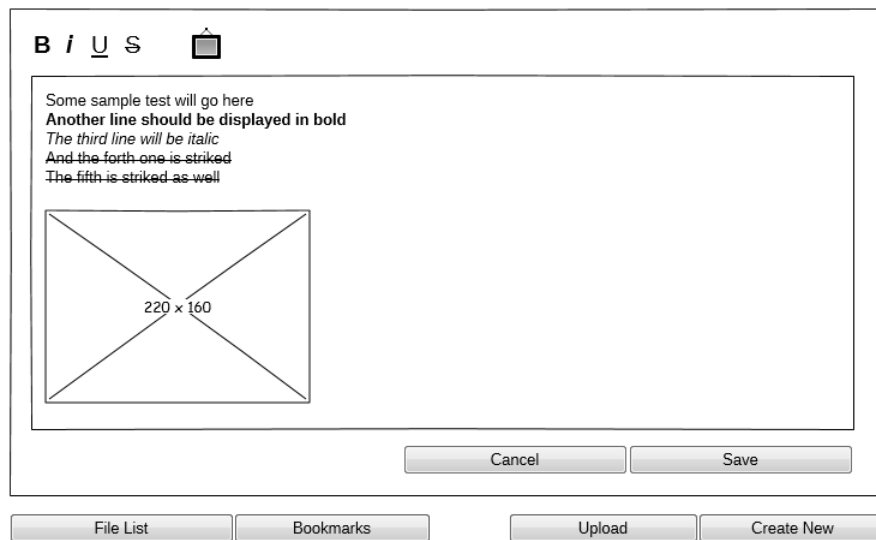


Figure 2 – Creation / Editing of web-page

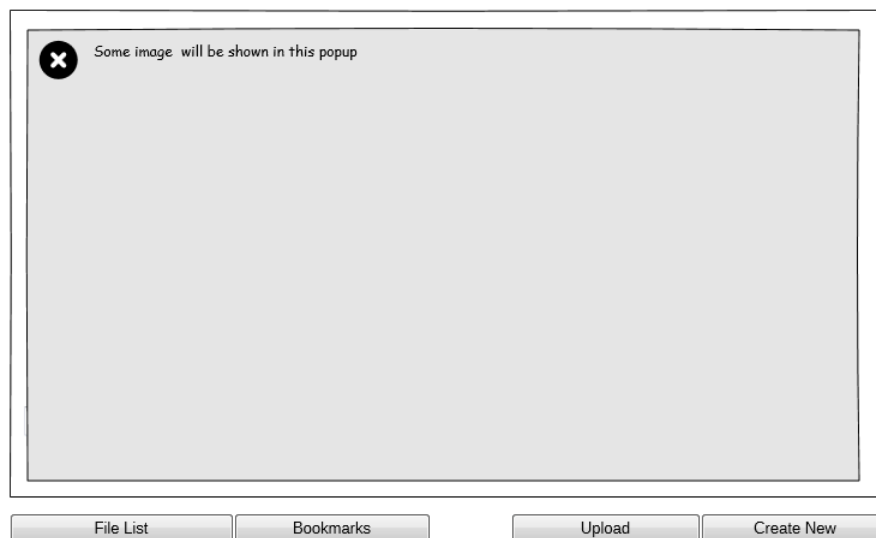


Figure 3 – Preview of images from the list of files

File Name ^	File Type	Size (Kb)	Action
index.html	Web page	13	Select file at the left side by clicking on it
contact.html	Web page	12	

File List

Bookmarks

Upload

Create New

Figure 4 – Sorted list of files

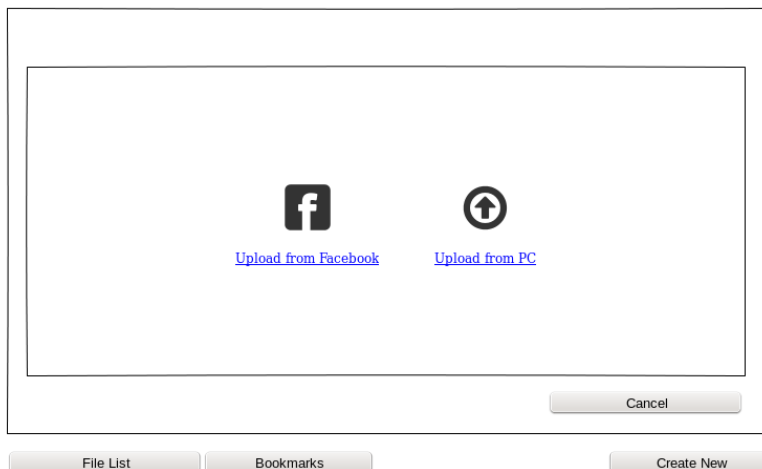


Figure 5 – Upload window with the ability to select the source

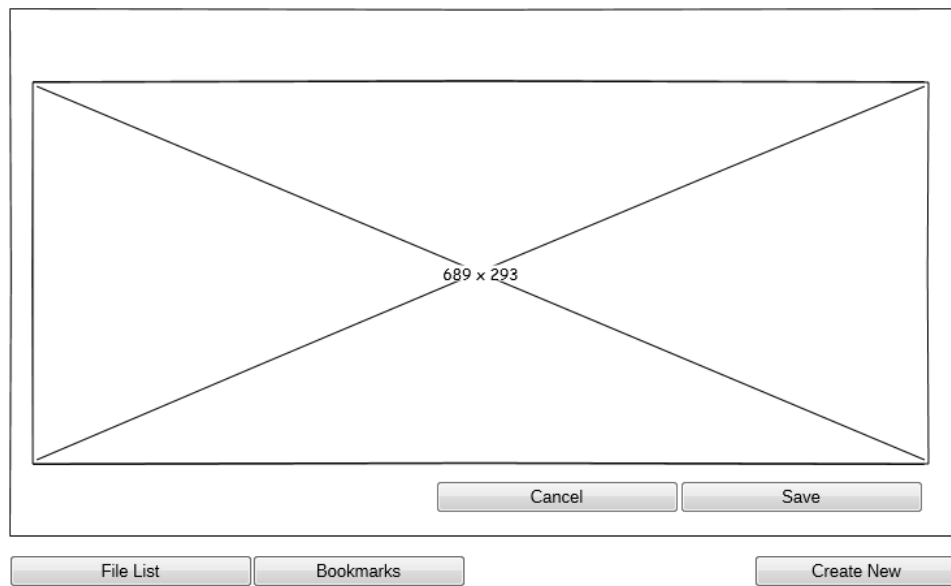


Figure 6 – Image Upload

<u>File Name ^</u>	<u>File Type</u>	<u>Size (Kb)</u>	<u>Action</u>
index.html	Web page	13	Download Preview Bookmark Edit
contact.html	Web page	12	
sample.png	PNG image	65	
web-mockup.jpg	JPEG image	72	
z-notes.txt	Text file	4	
<input type="text"/> <input type="button" value="Q"/>			File selected: contact.html
<div> File List Bookmarks Upload Create New </div>			

Figure 7 – Menu for the file selection