

# INTERFACE FOR BUILDING OWN WEBSITES

*-by Team: Web Spiders;*

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## About Project:

We would like to make an interface which enables the user to design their own websites without any coding background. It would have various tools for adding text, images, buttons, links etc. It is also possible to animate the website as in drop down menu and other scroll/cursor prompted actions. Our program opens a blank page with all the above described options and as the user edits the page by adding stuff, the code referring to the website being built will change accordingly (the code for the website will be in

another file. Changes and interaction with the program, parsing of this file and addition or modification of appropriate code will take place);

So, it will be more or less similar to

<http://editor.wix.com/html/editor/web/renderer/new?siteId=40b370cd-eb2f-4e65-a619-a57040ae7090&metaSiteId=bb80349d-97a4-48a5-b9f2-8ddc2463709a&editorSessionId=F2656D7C-DCC6-4037-86B8-EAB86DBB5374>

with all such options of adding menu, list, gallery, buttons and changing background image etc. Of course, text can be of any font, size and color. Also buttons, menu etc. can be of any dimensions, at any position, any color etc. Videos can be embedded from YouTube and the size of video playing screen is also a variable. Similar discussion for images which can be uploaded from PC, online etc.

### Requirements:

No requirements needed since it is a complete coding project;

### To be learnt:

html, CSS, Java Script etc;

## Timeline:

### Week 0:

Learning the above described;

See and decide on the graphical library to be used;

### Week 1:

Making a basic framework of the interface with options available but they will be non-functional;

Here we will code a basic outline of the graphical program in which interaction due to the user will cause appropriate code to be written in appropriate location in another file(this file will contain the final code for the website). The program will also be able to parse the file for inserting or deleting or modifying code in the other file ;

### Week 2:

Adding text(and also deleting text), various buttons, links and lists.Enabling different font families

and font sizes for texts. Making options for different sizes and colors of text and buttons available;

### Week 3:

Enabling the image and video upload options. Shall make sure that any video on YouTube can be played on any screen size and that images can be uploaded from anywhere. Different changes can be done on these like adjusting the size/location/colour/background colour etc.;

### Week 4:

Animating the website as in the way it changes while scrolling and moving cursor etc;

Eg. As we open the website, the text may be animated to appear in different ways.

Drop down menu which drops down the list when cursor is moved onto it.

When we scroll down a webpage it can be changing graphically in many ways;

Enabling all such animations is planned for week 4;

### Week 5:

Making sure that the images and text are not obstructing each other, appear good irrespective of browser size, reflow of text etc.

Making it free of bugs rather than free bugs. :P

Modifications, improvisations and beautifications to make the website look more sophisticated;