**CSS**

**Prerequisite:**

***Sublime Text:*** *the most popular web editor at the time of this writing. Lightweight and highly customizable, especially if you use its 3rd Party package manager. It’s free, but you will receive regular notifications asking you to pay $60 USD for a license.* [*https://www.sublimetext.com/*](https://www.sublimetext.com/)

***Visual Studio Code:*** *a completely free editor from Microsoft. Very similar to Sublime Text but contains a few other features such as a built-in terminal and Git integration. Also has a 3rd Party package manager.* [*https://code.visualstudio.com/*](https://l.facebook.com/l.php?u=https%3A%2F%2Fcode.visualstudio.com%2F&h=ATPzDNJanZbSrqLfIoRzst-cIWuVSTjFIw24Tum1msyHo_5vqX2WIUjiF1818AePGVUlJDzX-LFPP3Urg059UsQdg8U7xWTkfgDzhWWPpUsXqmy-3kBmb4DIUNiK2VCFivcBaShzDtT_)

***Brackets:*** *a completely free editor from Adobe. It’s codebase is open source, so lots of features are added to it regularly. Some of these features are added to Adobe’s premium web editor, Dreamweaver. Not as feature-rich as Sublime Text and Visual Studio code, but still a great web editor.* [*http://brackets.io/*](https://l.facebook.com/l.php?u=http%3A%2F%2Fbrackets.io%2F&h=ATP1dEBRP2uNi4_zBJ5JH9SyqiGPj7Ko6TcVt53JP4q-jHS3nqTCIarbsEMCWHpWbe9EF-3QkIVI5DMsCQKNesYYDpyH7sXbH4FuGGpDwl6w52XR4Z66PxiObtXNharjskAITRC_NSEd)

***Atom:*** *a completely free editor from GitHub that is also open source, and highly customizable. Can be extended with its package manager, which is internal and not 3rd party.* [*https://atom.io/*](https://atom.io/)

***Notepad++:*** *a completely free, Windows-only editor. It was one of the first barebones web editors to be released. Definitely not as feature-rich as the other editors but still great for writing basic code.* [*https://notepad-plus-plus.org/*](https://l.facebook.com/l.php?u=https%3A%2F%2Fnotepad-plus-plus.org%2F&h=ATMh3QkOvNaXLpZM1-_UM5fr8oZ_B2KRpcDS411em1xUaV5zRytcNZXVX_dpKBBt6GxsuYJqMQRuN0lXh_kGOeuqDxAMzWW2U-n9kbvAnR80V55RAJV8y8NOCDDwU2wrDwIp8TviYiPd)

***Dreamweaver:*** *a premium web editor from Adobe. Lots of features, lots of 3rd party extensions available for it and a great visual editor that’s WYSIWYG (What You See Is What You Get). Since its not open source, it doesn’t add new features as rapidly as some of the other editors. It also is not free, costing you $19.99 a month through Adobe Creative Cloud. But it remains one of the best premium web editors, if not the best.* [*http://www.adobe.com/products/dream...*](http://www.adobe.com/products/dreamweaver.html)

***Webstorm:*** *a premium web editor that’s more modern than Dreamweaver. Lots more modern features, most of which are based around JavaScript...strong support for Angular, React, Karma, etc. If you buy a monthly subscription, it’s a little less expensive than Dreamweaver at $12.99 a month.* [*https://www.jetbrains.com/webstorm/*](https://www.jetbrains.com/webstorm/)

***Netbeans:*** *a completely free web editor that you can use to edit HTML, CSS JavaScript, but is more well-known for its Java integration. It offers several different versions for download so you may want to download the one based around HTML5. Like Notepad++, it’s not as feature-rich as the other editors but still great for writing basic code.* [*https://netbeans.org/*](https://l.facebook.com/l.php?u=https%3A%2F%2Fnetbeans.org%2F&h=ATNZPERUOfWrqdjGa_Ch2bQNtN_qRq_Q8b-jWa9PQat5G_XjycC-Mtnm1jKmp-ypshh7NvLCTC3v2pphCFyzSF7c1CzA7yTKK7zeCmvuE4LinvYbSd9b5tIJYznDWJjWQhRKdtH7TQV-)

***IntelliJ IDEA:*** *a premium web editor that you can use to edit HTML, CSS JavaScript, but is also more well-known for its Java integration. Much more feature-rich than Netbeans and it does offer a free version, but lacks lots a features when compared to the free editors.* [*https://www.jetbrains.com/idea/*](https://l.facebook.com/l.php?u=https%3A%2F%2Fwww.jetbrains.com%2Fidea%2F&h=ATPnEzxE3or4AQPDDW7GsMmPL9-jM2-hzdFSswxrlX6moyV2metab_WwVG8oM9nYUHmFU3bvLmMBAoG8pEVem8bBbAP0C-VTXfGnpThf0BCIah5upu5B4qJPbhyiX3CJ9Bjmip3-x6kE)

*List of free online HTML/CSS/JS editors:*

* *Mozilla Thimble:*[*thimble.mozilla.org*](http://thimble.mozilla.org/)
* *Plunker: [Plunker](http://plnkr.co/" \t "_blank)*
* *JSBIN:*[*JS Bin*](http://jsbin.com/)
* *CodePen: [CodePen](http://codepen.io/" \t "_blank)*
* *jsfiddle:*[*Create a new fiddle*](http://jsfiddle.net/)
* *codemagic:*[*codemagic.gr*](http://codemagic.gr/)
* *liveweave:*[*HTML5, CSS3 & JavaScript playground for web designers & developers*](http://liveweave.com/)
* dabblet: [dabblet.com](http://dabblet.com/)
* cssdeck: [HTML5, CSS3, JS Demos, Creations and Experiments](http://cssdeck.com/)

**Tasks Outline:**

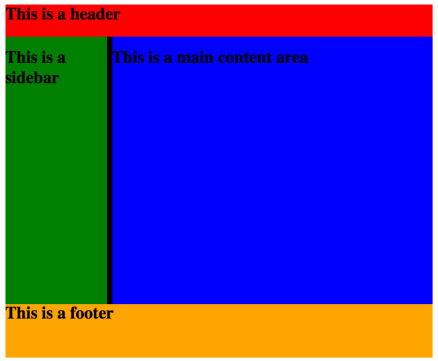
*Make sure you save all your files (the html file, CSS file, and image file) designed based on project hierarchy.*

The purpose of this assignment is to show that you understand how to use CSS to create a page layout. Create a page that looks exactly like the one you see below. Don’t forget the title of the page.

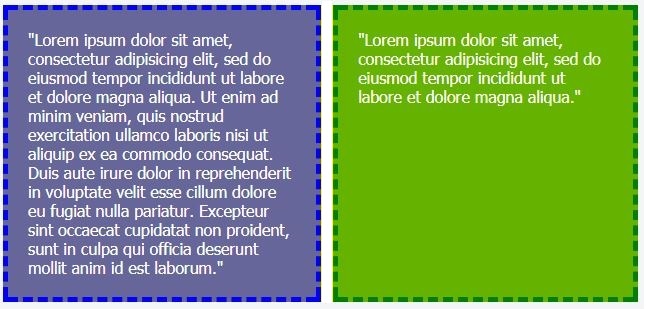
*(Hints: id and class, Border, Margins, height, width, background-color, float, clear, padding, font-family,* *text-align, overflow)*

*Example:* [*http://jsfiddle.net/ethankr/Wsfbz/*](http://jsfiddle.net/ethankr/Wsfbz/)

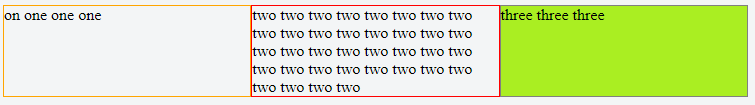
**Div1:**

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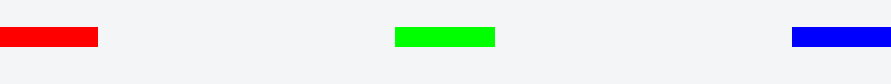
**Div2:**

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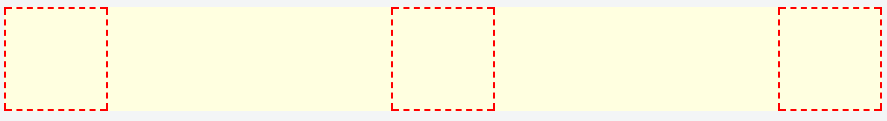
**Div3:**

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**Div4:**

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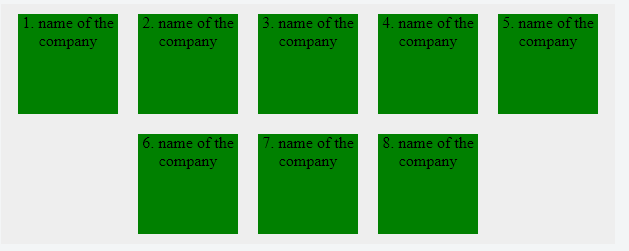
**Div5:**

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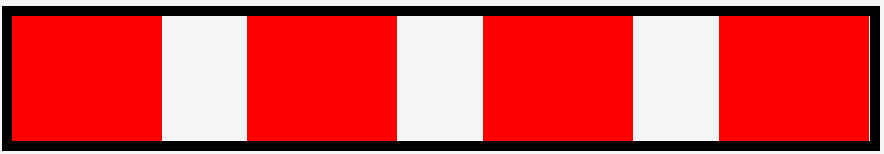
**Div6:**

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**Div7:**

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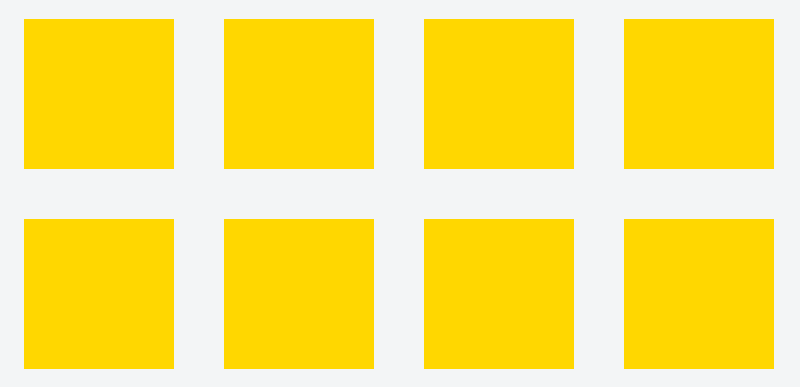
**Div8:**

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**Div9:**

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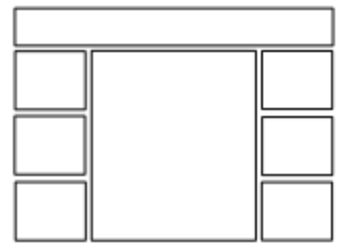
**Div10:**

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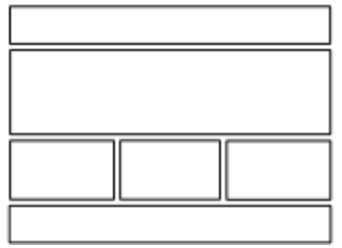
**Div11:**

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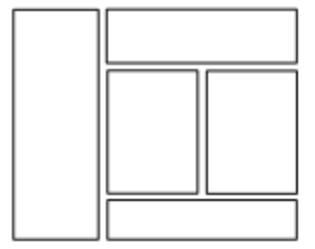
**Div5:**

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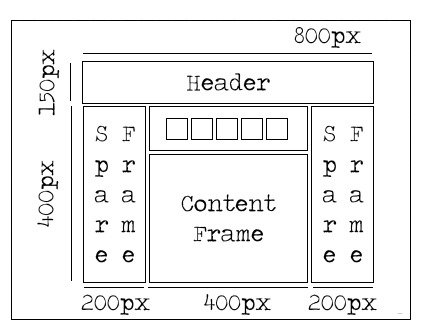
**Div6:**

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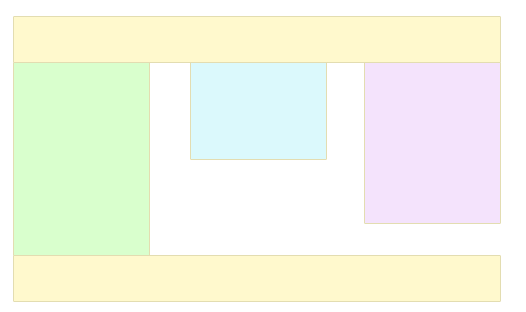
**Div7:**

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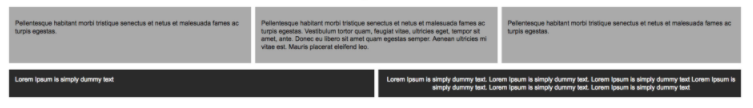
**Div 8:**

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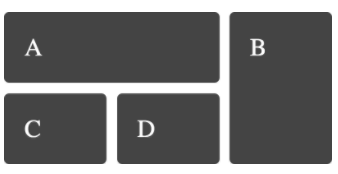
**Div 10:**

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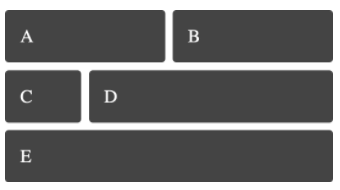
**Div 11:**

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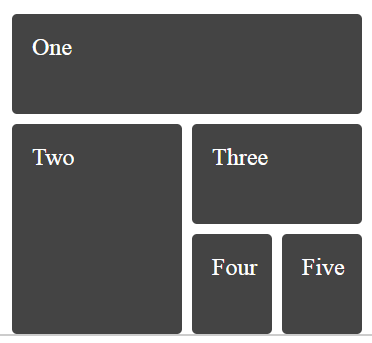
**Div 12:**

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**Div 13:**

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**Div 14:**

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**Regular Expressions Patterns:**

Apply Pattern for input field in form:

* Write a regular expression to contains 2-5 string which can be a-z and 0-9 characters
* Write a regular expression to contains 2-5 string which are a-z characters
* Write a regular expression to contains 2-5 string which are 0-9 characters
* Write a regular expression to Remove all non alphanumeric characters from a string
* Write a regular expression to match words that are exactly 7 characters in length and start with G and end with P
* Write a regular expression to contains **Ignore all vowels in the given input text**
* **Write a Regex for password must contain at least eight characters, at least one number and both lower and uppercase letters and special characters.**