

## Assignment 2: Product Backlog for a Visual IDE

In Assignments 2 - 4, you will design and develop a web based visual drag-and-drop IDE which lets its user easily construct and execute programs. One of the objectives such a tool is to self-learn programming concepts and develop interest in programming. Similar applications, can be seen at <http://scratch.mit.edu/> and <http://byob.berkeley.edu>.

### Requirements for Assignment 2

You will write a Product Backlog(requirements) for the product you want to build.

In Scrum methodology (<http://bit.ly/1sfQKEw>), a *Product Backlog items are articulated in any way that is clear and sustainable. Contrary to popular misunderstanding, the Product Backlog does not contain "user stories"; it is an ordered list of requirements that is maintained for a product. Those requirements can be expressed as user stories, use cases, or any other requirements modeling and description approach that the group finds useful. But whatever the approach, most items should focus on delivering value to customers.*

As you *sprint* through the project, you could take high priority requirements from product backlog and make *sprint* backlogs.

### Weightage

Assignment 2 is worth 5% of your final grade.

### Due Date

13<sup>th</sup> September, Saturday, 5pm

### Submission Guidelines

1. This is a team task. Each member is expected to contribute equally.
2. Submit your Product Backlog in the folder A2-VisualIDE in IVLE workbin.
3. Name the document: "<TeamNumber>\_<ProductBacklog>\_A2" - e.g. "Team2\_ProductBacklog\_A2".

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Note: For Assignment 3 and 4, which is designing and implementing the VisualIDE, you might want to consider following, or similar, tools and work ahead.

Backbone : <http://backbonejs.org/>

Django - <https://docs.djangoproject.com/en/1.6/intro/tutorial01/>

Ruby on Rails - <http://railscasts.com/>

CodeIgniter - <http://ellislab.com/codeigniter>, <http://code.tutsplus.com/series/codeigniter-from-scratch-net-17602>

Google OAuth 2 - <HTTPS://DEVELOPERS.GOOGLE.COM/ACCOUNTS/DOCS/OAUTH2>