**Weekly Report**

Backend Team

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| Name: Namratha Lakshminarayan | Email: devaraya@usc.edu |

1. What did you learn about Python/ Flask this week?

What is python Flask.

How to set it up.

Writing REST services using flask.

Exposing the services on public IPs.

DB interaction using Flask

Things to consider.

* Using React template along with the framework.
* Communicating with Database.
* Communicating with 3D generator module.
* Setting up Build management tool.

1. Alternate framework for Flask and its pros and cons.

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| Alternate Technology | Pros | Cons |
| Java | Extensive online resources, documentation and libraries. | Not as flexible and easy to use as Flask. |
| Flask | Simple application and easy to use. Very simple to write REST services and DB interactions. Python has a number of libraries to interact with 3D module written in C++ | Python 2.7 or 3.0. Documentation indicated better suited for 2.7. Will need external server, as flask server can handle only one request at time |

1. Which Build tool to use and Why?

PyBuilder – Follows Maven like convention. Written purely in python, therefore makes python implementation simple. Provides a plugin that generates a setup script. Provides numerous useful plugins. <http://pybuilder.github.io/documentation/tutorial.html#.V9icepgrI2w>