



INDIANA UNIVERSITY

**SCHOOL OF INFORMATICS,
COMPUTING, AND ENGINEERING**

B 649 SGA Assignment 4 Projects

Sept 28th 2017

Q & A

Assignment 3



INDIANA UNIVERSITY

SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

Project Suggestions?



INDIANA UNIVERSITY

SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING

Project Clarifications

- We will suggest only one person per project get assigned.
- There are common understandings and pre-requisite required by most of the projects.
 - Self organize hackethon's
 - Invite AI's (plus Marcus & Eroma) if it will help.
 - Use Office hours effectively
 - Bundle appointment requests into a two hour window of hackethon on an addition day.



Project Idea: A4 – 1

- Container Orchestration on Jetstream.
- Extension to current DevOps work.
- Run all Airavata containers (PGA+Core+dependencies) on kubernetes.
- Run locally and then scale out to JetStream



Project Idea A4 - 2:

- App Catalog as a git repo
- Clone, Fork, PR like capabilities
- Demo



Project Idea A4-3:

- Admin dashboard customizations.
- Flexible statistics



Project Idea A4-4:

- Allocation Manager Service
- OpenJPA to MySQL/Derby
- Well defined CPI and Test Cases
- Use registry-refactoring branch for reference.
- This will need to be a micro-service.



Project Idea A4-5:

- Git Publish
- Open source version of <https://gitpull.io/>
- Use Vault or Airavata Credential Store



Project Idea A4-6:

- SEAGrid Post Processing Tool Integration



INDIANA UNIVERSITY

SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING



Office Hours

Fridays 1.30pm to 5pm

CIB MP-B

We will be happy to answer questions
before on airavata mailing lists

dev@airavata.apache.org



INDIANA UNIVERSITY

SCHOOL OF INFORMATICS, COMPUTING, AND ENGINEERING