Team Review Presentation

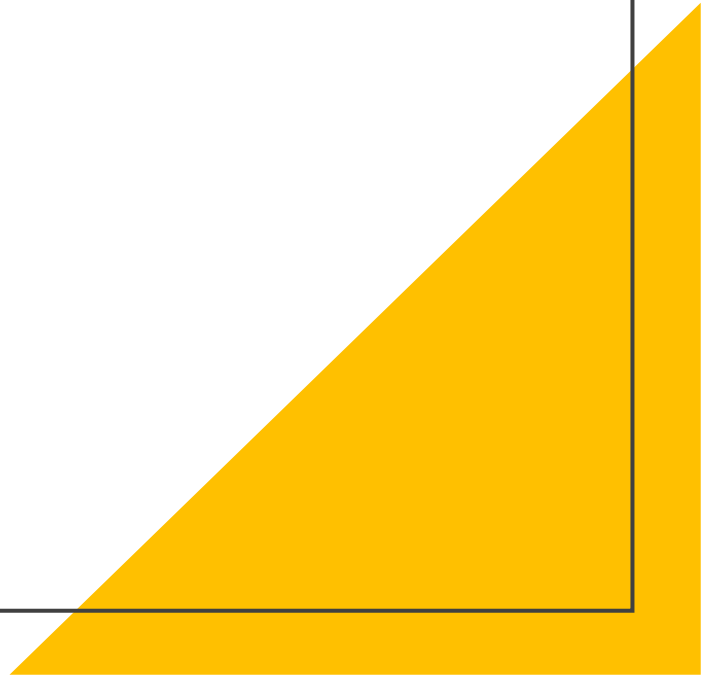**Science Alliance Portal**

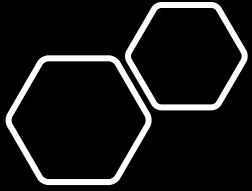Asad, Elias, Zeeshan, Nam, Santhosh

Product Description

- Who we made it for - IBA

- Why we made it – Support Administration at IBA

- What does it do – Helps manage allies and encourage them to sign up

Product Demo

Process Overview

- Version Control
- Development Framework
- Agile
- Sprint planning

Testing Our Product

- TDD
  - Unit tests with pytest
  - Coverage kept > 90%
- BDD
  - Behavioral testing done using pytest-bdd

Coverage report: 92%

Module ↑	statements	missing	excluded	coverage
sap/__init__.py	0	0	0	100%
sap/forms.py	13	0	0	100%
sap/templatetags/__init__.py	0	0	0	100%
sap/templatetags/filter.py	4	0	0	100%
sap/tokens.py	10	0	0	100%
sap/upload_resource_to_azure.py	18	12	0	33%
sap/urls.py	9	0	0	100%
sap/views.py	481	7	0	99%
sap/views_v2.py	498	56	0	89%
sap/views_v3.py	206	24	0	88%
Total	**1239**	**99**	**0**	**92%**

coverage.py v5.4, created at 2021-04-20 22:27 +0000

CI/CD

Continuous Integration (CI)

Run tests and linter on every push (or merge) to sandbox and master
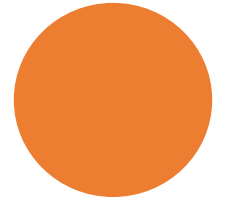
Continuous Deployment(CD)

Deploy to Azure App Services on push (or merge) to master

Issues we ran into & how we resolved them

- Problems
  - Email limits
  - Database
  - GitHub CD - disk space
  - Code quality – merge conflicts
- Solutions
  - Separate keys for dev and prod
  - Regular snapshots
  - Automatic cleanup
  - Linters

Documentation and Maintainability

Refactoring

Enhancements

Documentation
- GitHub wiki, guides,
- Code comments/documentation
- LoFi diagrams,
- Customer meeting notes

Maintenance
- Web server
- Database server
- Email service

Potential Future Development

University SSO

2-step verification

MAUI integration

Chat feature