

# ASDs

## Task 3

# Project statement

An application continuity service dynamically backs up and restores the state of applications running within the framework on K8s. The service shall use the DSL of the framework to determine the relevant application state and its backup policies. Developers of an application should be able to backup and restore a specific version from images and relevant state from the service. The application state shall be stored externally on the given S3-compatible object storage.

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Repo: [https://github.com/gorelyi-code/advanced\\_software\\_designers](https://github.com/gorelyi-code/advanced_software_designers)

Report: a link to this slides within project repo/doc storage

# Personas

## Pasha, 30 y.o.



Marketplace developer. Uses k8s to deploy thousands of pods for serving users requests for finding items sold on the marketplace. Often creates bugs, which break production.

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<https://this-person-does-not-exist.com>

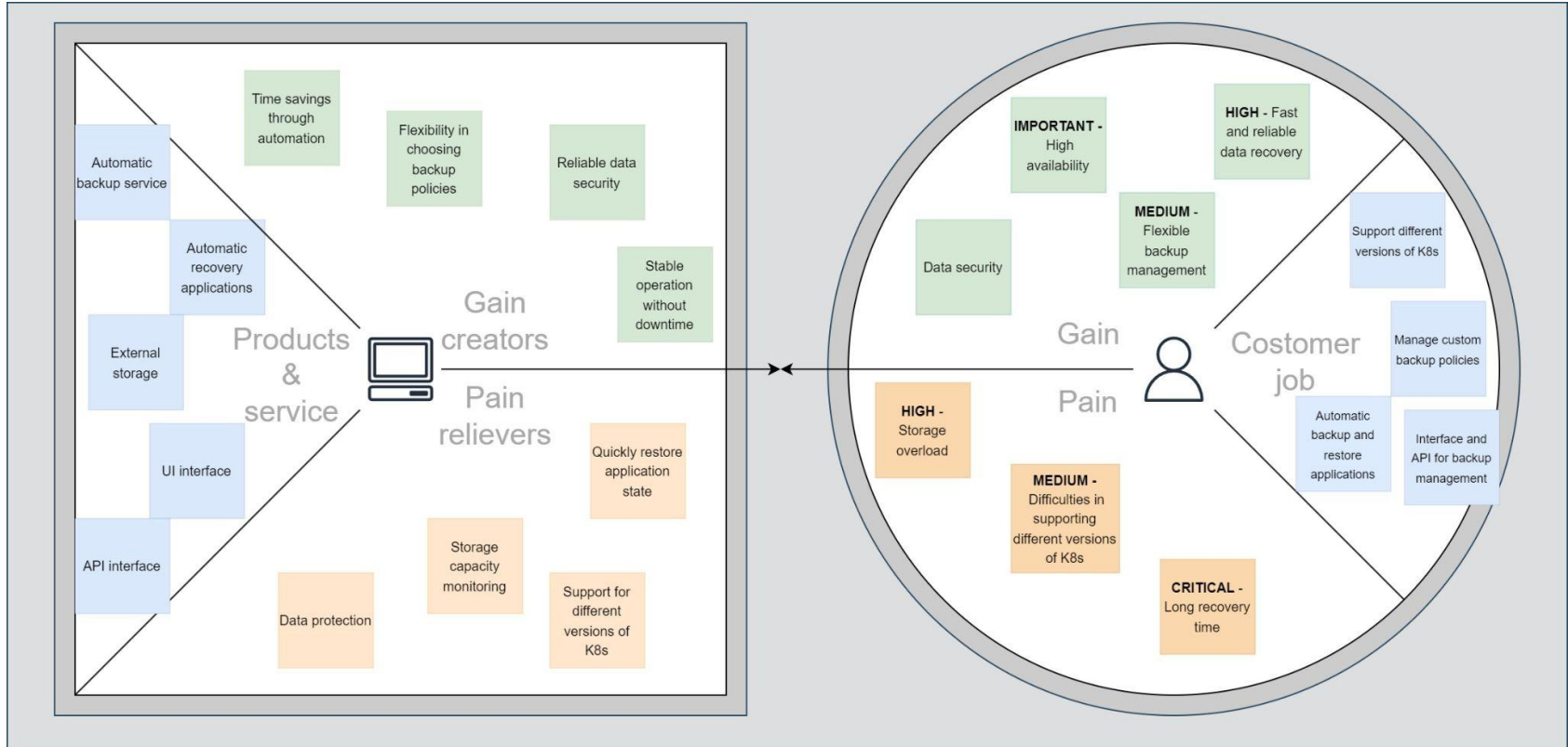
## Alyona, 22 y.o.



DevOps. Configures k8s for other developers. Often updates k8s versions for deployed services which break their applications.

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# Value proposition canvas



# Jobs map

## JOBS TO BE DONE

### FUNCTIONAL JOB

Creating application backups.  
Including, automation of  
backup creation

Reliable and secure storage of  
created backups of the  
application

Flexible backup management

Convenient and fast recovery  
of application backups

Flexibility in choosing backup  
policies

### EMOTIONAL JOB

#### Intrinsic motivations

Simplification of work tasks -  
Convenient (re)store of  
application versions

The absence of reprimands  
and fines at work -  
Confidence in the stable  
work of the application

Less effort is spent on  
monitoring the work of the  
application - Automation of  
work tasks

#### Extrinsic motivations

The desire not to let  
down colleagues and  
users of the application -  
Ensuring stable work of  
the application

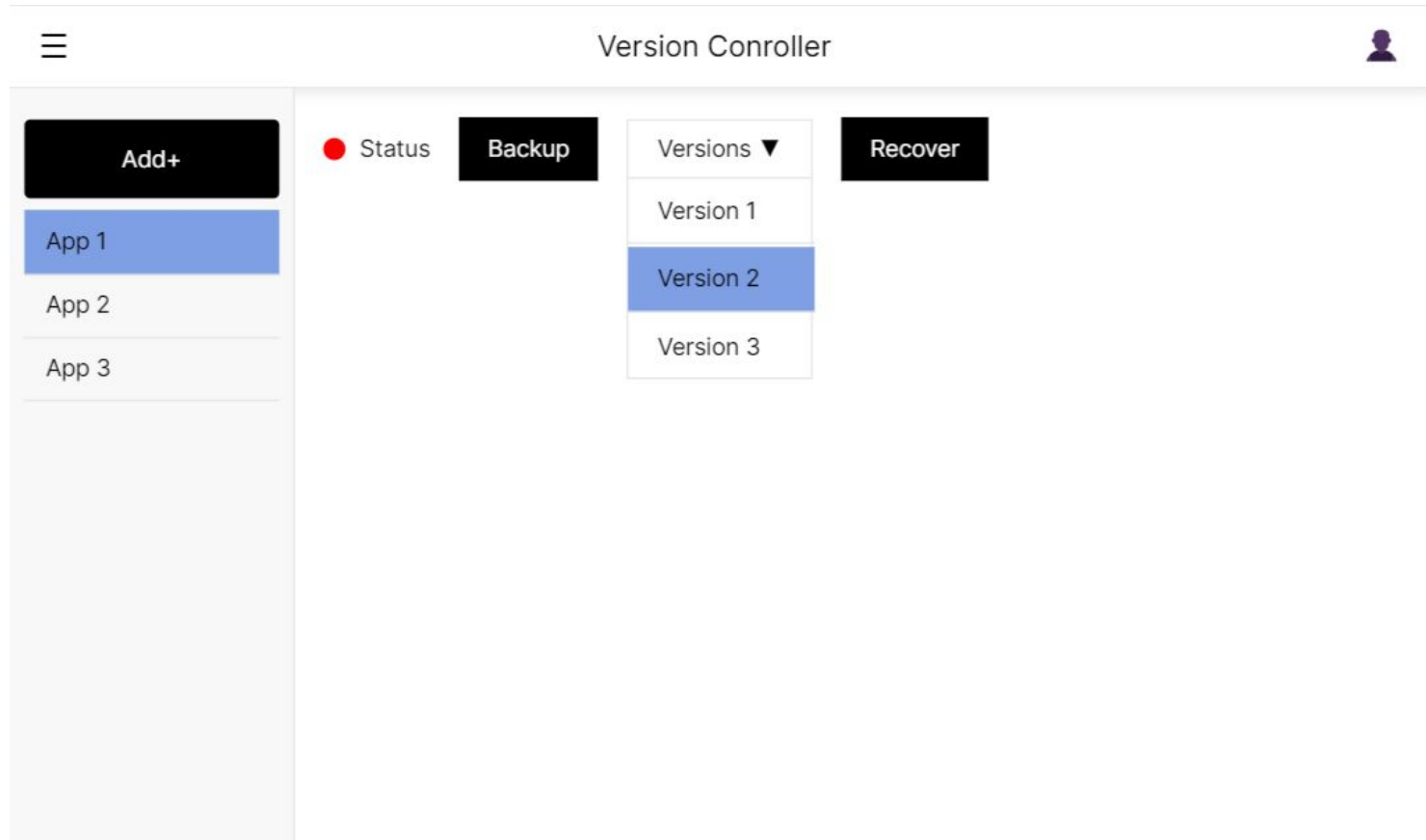
Receiving  
encouragement from  
superiors for quality work

### RELATED JOBS

Stable work of the  
application without downtime

Save time by automating the  
control of the application's  
work and creating backups

# Prototype User Interfaces (wireframes)



# Story map

