

ASDs

Task 5

Product description

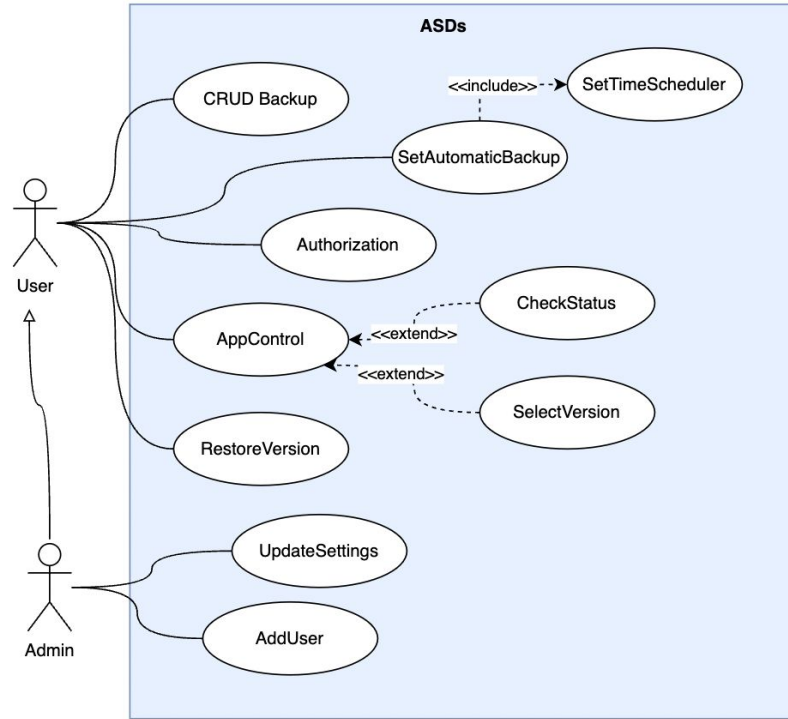
An application continuity service dynamically backs up and restores the state of applications running within the framework on K8s. The service shall use the DSL of the framework to determine the relevant application state and its backup policies. Developers of an application should be able to backup 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

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

Use case diagram



CRUD: create, read, update, and delete backup of application

Class candidates (problem domain)

Candidate	Criteria	Stored information	Operations
Kubernetes	T		
Kubernetes manager	OUT		ApplicationControl, SetKubernetesSetting
Application manager	OUT		CreateVersion, RestoreVersion, AddApplication, SetAutoBackup
Account	SO	Accesses	Authorize, GetAccess
Application	SIAOUT	Data, Status	Activate, Deactivate
Version	SUT	Application	
Storage	SOUT	Version	GetLatest, GetByld, GetVersions

Domain model diagram

