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# Alpine Parking

Paul Prünster, Lukas Niederstätter,  
Matthias Ebner

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# Content

- Motivation
- Workflow presentation
- Live demo
- Final Thoughts

# 1. Motivation

- Reduced Parking Search Time
- Efficient parking
- More secure parking
- Data-driven Parking Management

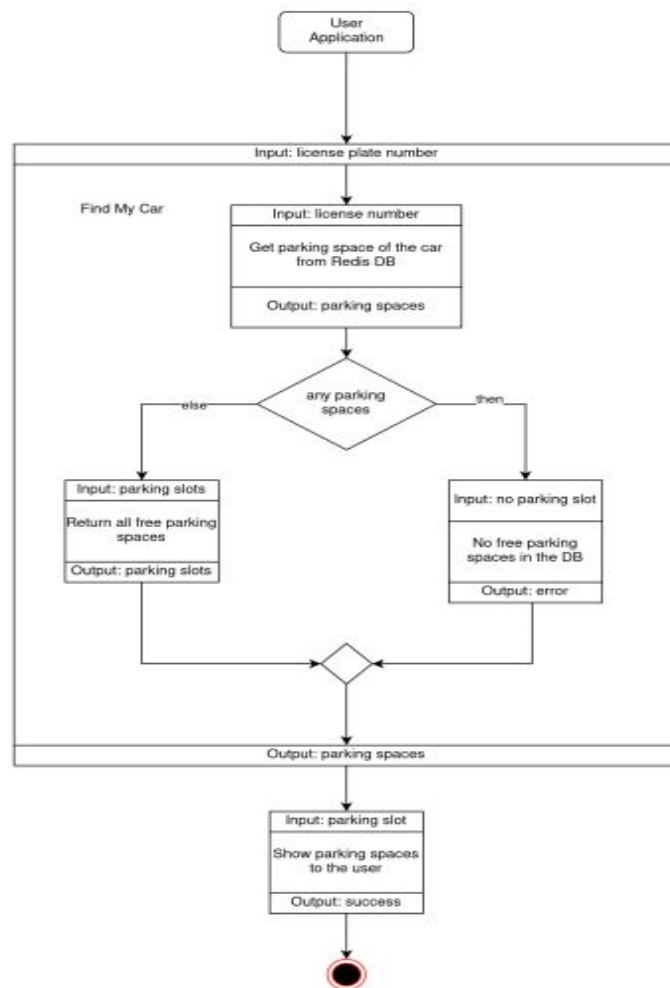
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# Alpine Parking: Overview

- Parking Space Detection
- Parking Data Management
- Mobile App
- Monitoring and Optimization

# Parking Space Detection

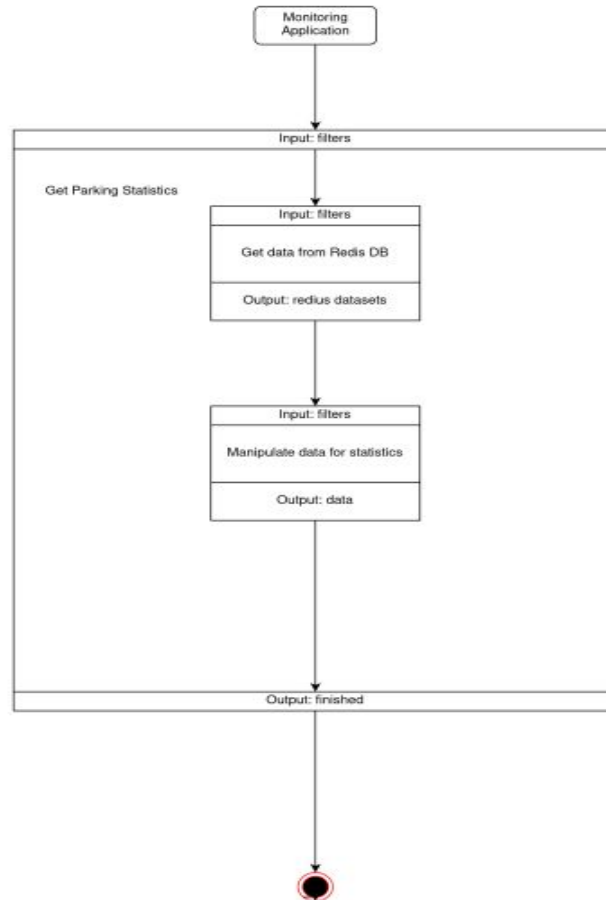
- analyze real-time parking lot footage with AWS Rekognition
- identifying occupied parking spaces for a quick find of free spaces
- reading and processing number plates for minimized searching times



# Parking Data Management

- employment of Redis
- storing data in scalable and efficient manner
- providing data to each workflow

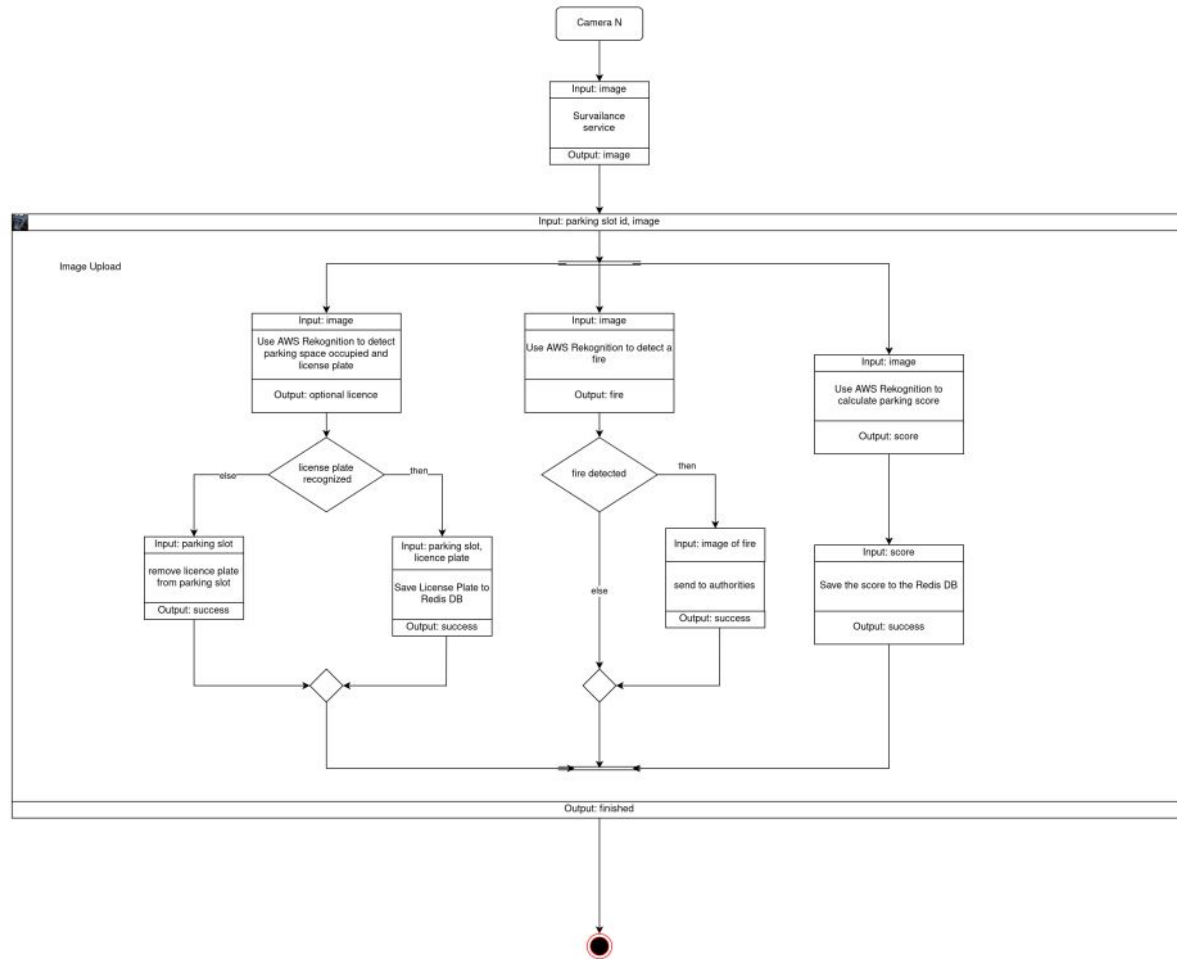
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## Monitoring and Optimization

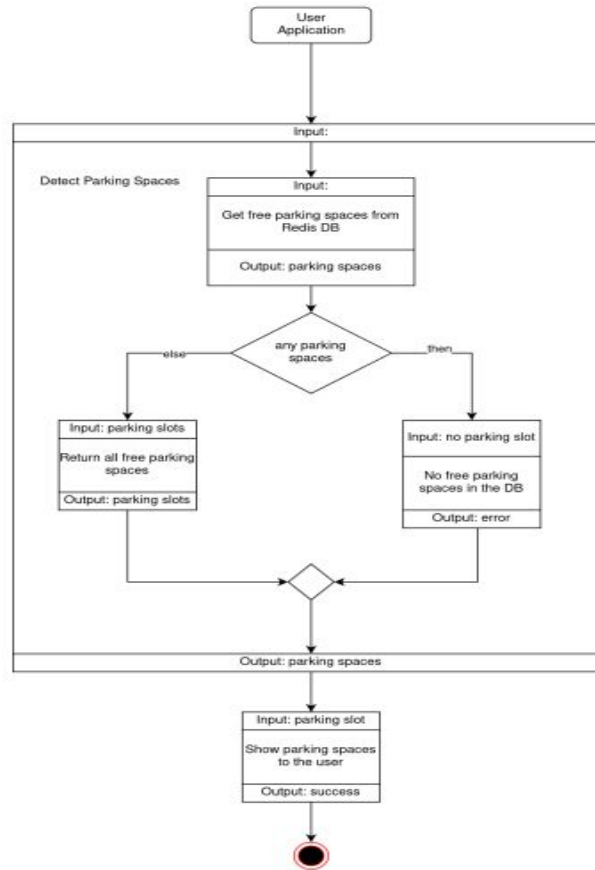
- dashboard for city officials
- monitoring parking lot utilizing different patterns
- identify trends, optimize infrastructure, provide insight top parking lot



## Mobile App

- real-time information for drivers
- provides with information of free spaces and their parking spot for efficient time management

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**Live Demo**

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# Final Thoughts

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# Final Thoughts

- Future possibilities
- Scalability and improved optimization
- Possible impact on parking lots and the current situation

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**Thank You for Your  
Attention**