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**Proposal**

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## Introduction

This document will define the development of the Airport Luggage simulation system from the moment of check-in until the departure of the airplanes. Moreover, here will be explained who are the people in the team, why we are choosing this project and who is going to benefit from it.

## What is the reason behind our choice of the project?

We have chosen to implement the departure part of an airport simulation. The main reason for this decision is based on research on the airport baggage luggage handling system. We concluded that the logic of the departure part can work independently of the logic of the arrival part. Furthermore, since our resources and time are limited, and we want to provide a fully working product, we only focus on the departure part of the system. In our project proposal the system will be highly automated with self-check-ins and automated security checks, also the manager will be able to adjust number of working employees on certain drop-off carts, capacity of drop-off carts and speed of the conveyor. This will affect the final time needed to distribute the luggage.

## Who is going to use it?

The purpose of the project is to simulate the work of the Airport luggage handling system. In this way the manager will be able to have an overview of then processes and resources and make decisions. Furthermore, system will provide the manager with the ability to optimize the process of the Airport luggage handling system.

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