**PORJECT DEVELOPMENT OF A DESKTOP APPLICATION FOR AIRPORT MANAGEMENT INFORMATION SYSTEM**

**AMIS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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# **PROJECT DESCRIPTION**

The main purpose of this project is to develop an airport management information system (AMIS) software for efficient and reliable flight allocation processes depending on the availability of the airline providing the service and the city to which the flight is heading and the city of departure respectively. The AMIS will be designed and developed taking into account the specific needs of the airport's infrastructure and operations, with a focus on improving communication between the personnel who are designated to provide the service.

# **ORGANITATION STRUCTURE**

# **PROJECT HIERARCHY**

# **SPONSOR**

# **STAKEHOLDERS**

|  |  |  |
| --- | --- | --- |
| **NAME ROLE** | **ROLE (TYPE OF STAKEHOLDER)** | **ROLE DESCRIPTION** |
| Project Financier  Project Manager (PM)  Developer (DEV)  Quality Assurance (QA)  Engineer DevOps  Designer (UX/UI)  Data Engineer  System Administrator  Regulatory Authorities Governmental  Passengers  Airport IT Manager  Flight Scheduler  Airport Authority  Airline sales agent  Airline Directors  Government agent financing the public airport  Sponsor of private companies | Financial shareholder of the project  Director Project  Project Team  Project Team  Project Team  Project Team  Project Team  Intermediate user- airport staff  Governmental authorities  Final User  Intermediate user- airport staff  Intermediate user- airport staff  Intermediate user- airport staff  Intermediate user- airline staff  Intermediate user- airline staff  Sponsor Airport  Sponsor Airport | This role is the one that finances the project in its entirety.  Responsible for planning, implementing and monitoring projects to achieve specific objectives.[10]  The work of a developer involves designing, implementing, debugging and optimizing software, as well as maintaining and constantly updating the solutions created. [11]  The main objective of QA is to identify and prevent defects in the software, ensuring that the delivered product is reliable. [12]  Professional specializing in the development, implementation and maintenance of practices and tools that pursue continuous integration, continuous delivery (CI/CD) and automation within the software development lifecycle. [13]  Professional in charge of creating digital interfaces that are intuitive, functional and enjoyable for the end user. [14]  Professional for the design, implementation and management of systems and processes that enable the efficient acquisition, storage, transformation and analysis of large volumes of data.[15]  This is the ROLE that has full access to the entire system and its data, with permissions to Create, Modify, Read and access any directory or file.  It is a government authority and audit role, the administrator user gives this role read permissions to read files and directories, but has access to all information in the system.  This role does not interact directly with the system as it is created only for airport officials, it interacts with officials with Airline Sales Agent Roles.  This is the role in charge of the whole communication system in software and infrastructure throughout the airport, this role has access to system log records.  is the role in charge of scheduling and coordinating with the airlines and the availability in each departure and arrival city, this role has access only to information from the airlines, and to the cities.  This role has access only to consult passenger information, in order to corroborate and filter possible offenders.  This role has access to the airline's available flights and seats and cost, as well as access to passenger information in order to assign a seat to a passenger's flight.  This is a role that can only access the sales information of each airline and the information of the sales agent of the airline it manages.  This is the role in charge of financing the public airport with government resources. This person is designated by the government to transfer the necessary resources for the operation of the airport.  It is the representative role of each private company that promotes the resources necessary for the operation of the private airport, this role has access only to investment information at the airport. |

# **AUTHORIZATION**

# **PROJECT MANAGER**

# **STRTEGY FRAMEWORK**

# **RESTRICTION**

# **ASSUMPTIONS**

# **EXCUTIVE SUMMARY**

# **BUSINESS CASE**

# **MAIN GOALS**

# **SPECIFIC GOALS**

# **ADDITIONAL GOALS**

# **SELECTION TOOLS**

# **SWOT**

# **MAIN ISSUES TO SOLVE OR MITIGATE**

# **GOVERNANCE**

# **MAIN RISK**

# **CRITICAL SUCCESS FACTORS**

# **SCOPE**

# **PRODUCT DESCRIPTION**

# **REQUISITES**

# **GENERAL FUNCTIONAL**

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# **QUALITY**

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# **MAIN DELIVERIES**

# **HIGH LEVEL WBS**

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# **COST ESTIMATION FOR MAIN COST TYPES**

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# **GENERAL POLICIES FOR EACH KNOWLEDGE AREA**

# **FINAL TABLE FOR APPROVAL SIGNATURE**