

USER REQUIREMENT SPECIFICATIONS



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Introduction

The User Requirements for the Media Bazaar Management Tool application are described in the current document. The supplier Team Bitium created this project for the customer Media Bazaar.

Document Approvals

Organizations have agreed on the scope of work for customizing and implementing a management system designed to oversee staff and inventory departments in a media shop setting.

By signing this document, you attest to your agreement with the User Requirements Specifications' content and give the go-ahead for the remaining project implementation.

Project Scope

In accordance with the system requirements outlined further in this document, the purpose of this document outlines the functionality that will be offered in the Media Bazaar Management Tool. The following topics will be covered:

1. Management of departments
2. Management of items and inventory
3. Management of the following employee data: name, email, age, address, preferred department
4. Management of following department data: product and inventory, employees of the department, coordinator
5. Management of employee schedule

Functional Requirements

ID	Name	Priority
First Phase		
FR01	Administrators, Managers, HRs, Inventory workers and Employees can log in and log out	M
FR02	Administrators can manage departments	M
FR03	Administrators and HRs can assign managers to departments	M
FR04	Managers can schedule shifts to their employees	M
FR05	HRs can manage employees	M
FR06	Managers can request new items	M
FR07	Inventory workers can add an item to a department	M
FR08	Inventory workers can edit an item	S
FR09	Inventory workers can delete an item	S

User Cases

ID & Name	UC01- Administrators, Managers, HRs, Inventory workers and Employees can log in and log out (FR01)
Actors	Administrators, Managers, HRs, Inventory workers and Employees
Description	To get access to the system's functionality, actors should be able to log in in the system using their credentials. After they are done, they can log out from the system.
Trigger	<ul style="list-style-type: none"> Actors enter their credentials and enter the system for login. Actors select the logout option.
Pre-condition	<ul style="list-style-type: none"> Actors must have their credentials. Actors must have the program installed.
Post-condition	<ul style="list-style-type: none"> The actor is logged in. The actor is logged out.
Main success scenario	<p>Log in</p> <ol style="list-style-type: none"> The actor enters his credentials The system checks them The actor can now operate with the system functionalities. <p>Log out</p> <ol style="list-style-type: none"> The actor selects the option for logging out The system shuts down
Extensions	<p>The login credentials are incorrect</p> <ol style="list-style-type: none"> The system alerts that the credentials were incorrect. Returns the actor to the login screen.
Assumptions	The actor knows his personal login credentials and how to operate with software applications.

ID & Name	UC02- Administrators can manage departments (FR02)
Actors	Administrators
Description	Actors could use CRUD (Create,Read,Update,Delete) operations over the departments.
Trigger	<ul style="list-style-type: none"> Actors can use the controls in the system to interact with the departments data and to perform different operations over them.
Pre-condition	<ul style="list-style-type: none"> Actors must be logged in. Actors must have a certain role in the system.
Post-condition	<ul style="list-style-type: none"> The actor is logged in. The actor can create departments. The actor can read data from departments. The actor can update data from departments. The actor can delete data from departments.
Main success scenario	<p>Creating department</p> <ol style="list-style-type: none"> The actor fills the data for the new department. The system adds the new department to the rest. <p>Reading department</p> <ol style="list-style-type: none"> The actor can see information about the current department.

	Updating department <ol style="list-style-type: none"> 1. The actor changes the current information about a department. 2. The system checks it and updates it. Deleting department <ol style="list-style-type: none"> 1. The actor selects a department to be deleted, triggers the delete operations. 2. The system deletes the department.
Extensions	The data entered by the actor is incorrect <ol style="list-style-type: none"> 1. The system alerts the error. 2. The system doesn't allow the actor to perform this operation.
Assumptions	The actor knows how to work with CRUD software applications.

ID & Name	UC03- Administrators and HRs can assign managers to departments (FR03)
Actors	Administrators and HRs
Description	Administrators and HRs can assign managers to a concrete departments.
Trigger	<ul style="list-style-type: none"> • Actors select a employee as a manager for a concrete department.
Pre-condition	<ul style="list-style-type: none"> • Actors must be logged in. • Actors must have a concrete role in the system. • Actors must have a department without a manager. • Actors must have managers.
Post-condition	<ul style="list-style-type: none"> • The actors assigned manager to a department.
Main success scenario	Assigning <ol style="list-style-type: none"> 1. The actor selects a manager to be selected 2. The actor selects a department to be selected to 3. Then triggers the system and the manager is assigned.
Extensions	
Assumptions	The actor knows how to operate software applications.

ID & Name	UC04- Managers can schedule shifts to their employees (FR04)
Actors	Managers
Description	Managers can distribute their employees to different shifts.
Trigger	<ul style="list-style-type: none"> • Actors have selected an employee and a shift and then trigger the set shift operation.
Pre-condition	<ul style="list-style-type: none"> • Actors must be logged in. • Actors must have a certain role. • Actors must have employees.
Post-condition	<ul style="list-style-type: none"> • The actor has set a new shift to his employee.
Main success scenario	Setting a new shift <ol style="list-style-type: none"> 1. The actor chooses his employee

	<ol style="list-style-type: none"> The actor chooses his shift The actor sets him to this shift.
Extensions	
Assumptions	The actor knows how to operate software applications and how to manage his employees.

ID & Name	UC05- HRs can manage employees (FR05)
Actors	HRs
Description	Actors could use CRUD (Create,Read,Update,Delete) operations over the employees.
Trigger	Actors could use the system operations to control the employees data.
Pre-condition	<ul style="list-style-type: none"> Actors must be logged in. Actors must have a certain role.
Post-condition	<ul style="list-style-type: none"> The actor has created a new employee. The actor has read data from an employee. The actor has updated data from employee. The actor has delete data from employee.
Main success scenario	<p>Creating a new employee</p> <ol style="list-style-type: none"> Creating employee The actor fills the data for the new employee. The system adds the new employee to the rest. <p>Reading data from the employees</p> <ol style="list-style-type: none"> Reading employees The actor can see information about the current employee. <p>Updating data from the employees</p> <ol style="list-style-type: none"> Updating employee The actor changes the current information about an employee. The system checks it and updates it. Deleting an employee <p>The actor selects a department to be deleted, triggers the delete operations.</p> <ol style="list-style-type: none"> The actor chooses the employee. The system deletes the department.
Extensions	
Assumptions	The actor knows how to operate with CRUD software applications.

ID & Name	UC06 – Managers can request new items (FR06)
Actors	Managers

Description	Actors can request an item to be delivered in the storage from the higher authorities.
Pre-condition	Actors must have a certain role.
Post-condition	<ol style="list-style-type: none"> 1. The actor requested an item. 2. The item is in storage.
Main success scenario	<p>Requesting</p> <ol style="list-style-type: none"> 1. The actor chooses an item he wants to request. 2. The actor triggers the request operation. 3. After this the inventory workers send it to the actor.
Extensions	<p>The item may not be in stock:</p> <ol style="list-style-type: none"> 1. The actor would receive a message that the item is not in stock.
Assumptions	The actor knows how to work with software applications.

ID & Name	UC07 – Inventory workers can add an item to a department (FR07)
Actors	Inventory workers
Description	Actors can restock a department after a request is send for a concrete item.
Pre-condition	<ul style="list-style-type: none"> • Actors must have a certain role. • The item must be in stock.
Post-condition	<ol style="list-style-type: none"> 1. The actor sends the item to the department. 2. Mark the item as send to the department.
Main success scenario	<p>Sending</p> <ol style="list-style-type: none"> 1. Chooses the item, which is requested. 2. Sends the item to the department.
Extensions	
Assumptions	The actor knows how to work with software applications.

ID & Name	UC08 – Inventory workers can edit an item (FR08)
Actors	Inventory workers
Description	Actors can edit the attributes of an item.
Pre-condition	<ul style="list-style-type: none"> • Actors must have a certain role. • The item must be registered.

Post-condition	<ol style="list-style-type: none"> 1. The actor edited an item. 2. The item with the new data is presented in the system.
Main success scenario	Editing <ol style="list-style-type: none"> 1. Select the item. 2. Edit the old information by replacing it with the new one.
Extensions	The information is not properly written: <ol style="list-style-type: none"> 1. An error message is displayed. 2. The system doesn't update the item.
Assumptions	The actor knows how to work with software applications.

ID & Name	UC09 – Inventory workers can delete an item (FR09)
Actors	Inventory workers
Description	Actors can delete an item from the storage.
Pre-condition	<ul style="list-style-type: none"> • Actors must have a certain role. • The item must be registered in the storage.
Post-condition	<ol style="list-style-type: none"> 1. The actor deleted the item. 2. The item isn't in the system anymore.
Main success scenario	Deleting <ol style="list-style-type: none"> 1. The actor selects an item. 2. The actor triggers the delete item operation.
Extensions	
Assumptions	The actor knows how to work with software applications.

Old

ID & Name	UC01-User can log in (FR01)
Actors	Administrators, Managers, HRs, Inventory workers and Employees
Description	To get access to the system's functionality, users should be able to log in in the system using their credentials.
Trigger	User clicks the log in button.
Pre-condition	<ul style="list-style-type: none"> • Users must have login credentials. • Users must have the program installed.

Post-condition	The user is logged in.
Main success scenario	<ol style="list-style-type: none"> 4. The user enters his credentials 5. The user submits them to the system 6. The system confirms the credentials and logs the user in.
Extensions	<p>The login credentials are incorrect</p> <ol style="list-style-type: none"> 3. The system alerts that the credentials were incorrect. 4. Returns the user to the login screen.
Assumptions	The user knows his personal login credentials.

ID & Name	UC02-User can log out (FR02)
Actors	Administrators, Managers, HRs, Inventory workers and Employees
Description	When the user is done using the application, he can log out.
Trigger	User clicks the log out button.
Pre-condition	User must be logged in.
Post-condition	The user is logged out.
Main success scenario	<ol style="list-style-type: none"> 1. The user clicks on the log out button. 2. The user is logged out.
Extensions	
Assumptions	Users want to log out.

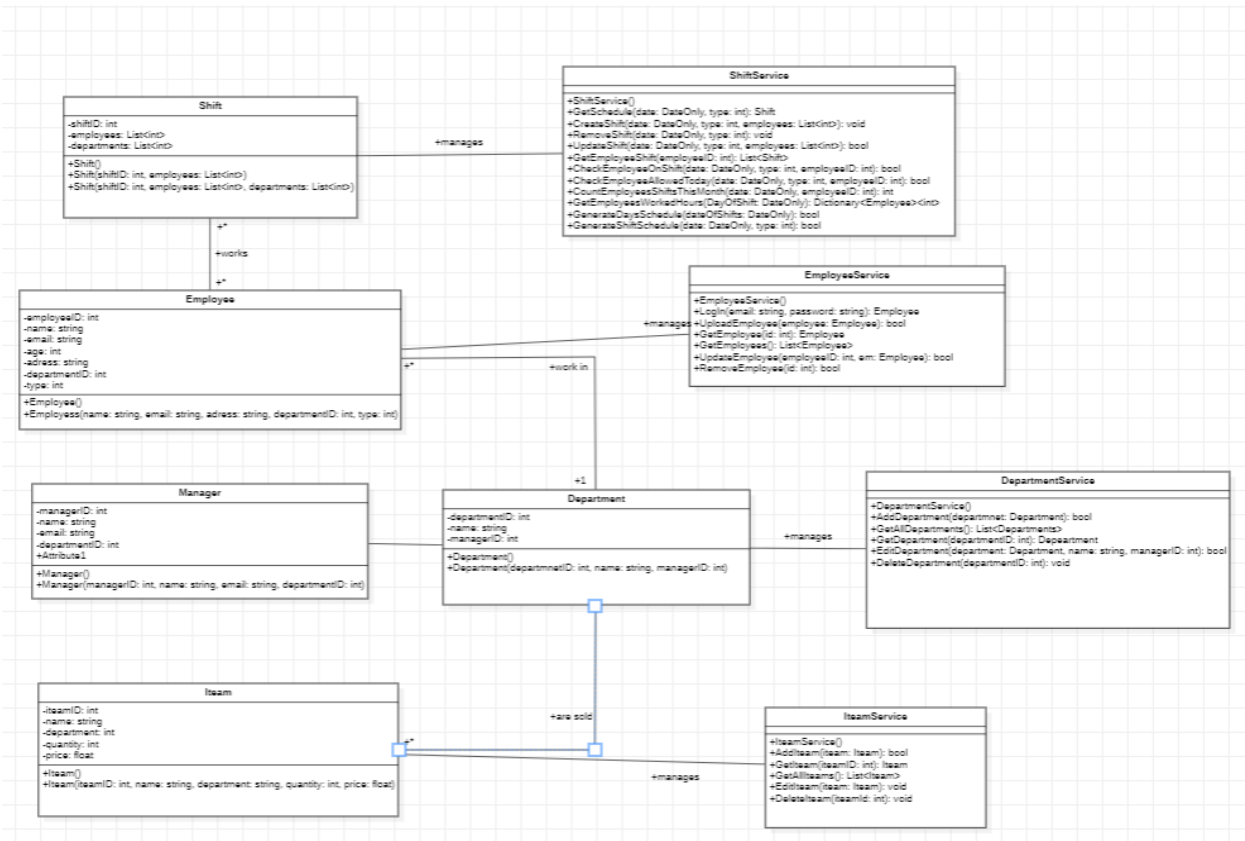
ID & Name	UC03-Administrators can create departments (FR03)
Actor	Administrators
Description	Administrator can create a new department by clicking a button, which redirects him to a form about the new department. By filling in this form he creates the attributes for the new department.
Trigger	Administrator fills out a form and then submits it.
Pre-condition	<ul style="list-style-type: none"> • User must be logged in as an Administrator. • There must be free managers for the new department.
Post-condition	Administrator creates a new department.
Main success scenario	<ol style="list-style-type: none"> 1. The Administrator fills out the form. 2. The system checks if it is filled correctly. 3. The system creates a new department.
Extensions	<p>The department already exists</p> <ol style="list-style-type: none"> 1. The system alerts this error. 2. Does not allow the user to submit.
Assumptions	A new department is created.

ID & Name	UC04-Administrators can delete departments (FR04)
Actor	Administrators
Description	Administrator can delete a department by clicking a special button for it.
Trigger	Administrator presses a button.

Pre-condition	<ul style="list-style-type: none"> User must be logged in as an Administrator. There must be created department.
Post-condition	Administrator deletes a department.
Main success scenario	1. The Administrator clicks on a button to delete a department.
Extensions	
Assumptions	A department is deleted.

ID & Name	UC05-Administrators can modify departments (FR05)
Actor	Administrators
Description	Administrator can modify existing department, in order to change its attributes.
Trigger	Administrator edits the data from a department in a form and then submits it.
Pre-condition	<ul style="list-style-type: none"> User must be logged in as an Administrator. There must be an existing department.
Post-condition	Administrator modifies a department.
Main success scenario	<ol style="list-style-type: none"> Administrator edits previous data about a department. Submits the data, the system checks it. The department is updated.
Extensions	
Assumptions	A department is modified.

UML DIAGRAM



GUI/Wireframes

The link to the wireframes:

<https://www.figma.com/file/oGZntfCShVRc4BsFZWN12L/Project-Group?node-id=0%3A1&t=fXb61ASvmX1ZabJc-1>

ERD Diagram

