CSE343 – SOFTWARE ENGINEERING

PROJECT REPORT: USER STORY

WAREHOUSE RAMP TRACKING SYSTEM

TEAM: GRUP FATİH

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Introduction Story

Same as other days, Halis was going to his part time job after school. He is working at a warehouse. He loads goods into vehicles which come to the ramps but he really gets frustrated when he is working. Warehouse staff argue with each other all the time because of issues like "Its is not that vehicle's turn", "There is no parking area for the vehicles", "What are we supposed to load to the vehicle?" etc. So Halis thinks there must be a solution for this problem.

The main reason for these kind of problems is that the warehouse system for managing the workflow is still done on papers and not efficient at all. Employees are still using pen and paper for the most of their work. Luckily, Halis is a CS student and at his current year of study, his professor wants him and his team to make a real software project for the industry. So he and his team mates decides to solve this warehouse problem by building a web application.

The application is used by launching the web site. The employees has to login to the site so that the system can identify their roles (admin, security, dispatcher, ramp staff) in the warehouse and display an interface with respect to their job which would be actions like listing vehicles, assigning vehicles to ramps, registering new vehicles to the system and so on…

User Stories

User Story ID	S01
User Story Title	Admin registers, removes or updates employees in the application.
User Story	**As an** Admin **I want** to be able to create an account for, remove an account of or update the account of a user **So that I** can manage the employees in the system
Acceptance Criteria	**Given** that I'm on the admin page **When** I'm managing the employees **Then** I should be able to take the following actions for the users: Create, Remove or Update

User Story ID	S02
User Story Title	Admin registers, removes or updates employees in the application.
User Story	**As an** Admin **I want** to be able to update ramp or parking spot count **So that** the system is correctly depicting the real life warehouse
Acceptance Criteria	**Given** that I'm on the manage ramps page or the manage parking lot page **When** I change the number of ramps or parking spots **Then** the number of ramps or parking spots should change in the system and displayed correctly when listed by responsible personnel

User Story ID	S03
User Story Title	Dispatcher talks to a company and registers the vehicles that are gonna come from that company
User Story	**As a** Dispatcher **I want** to be able to register new vehicles **So that** the vehicles are identifiable and processable in our system
Acceptance Criteria	**Given** that I am a logged in dispatcher **When** I add a vehicle to the system **Then** I should be able to see and process the vehicle that I've added

User Story ID	S04
User Story Title	Dispatcher can add description to a vehicle after its shipment operation
User Story	**As a** Dispatcher **I want** to be able to add a description to a vehicle about its shipment operation **So that** I can observe the details about the operation later
Acceptance Criteria	**Given** the dispatcher has the right to add description to a vehicle regarding its shipment operation **When** the dispatcher clicks on the add description button **Then** shipment notes of the vehicle must appear on the system

User Story ID	S05
User Story Title	Dispatcher wants to see the overall view of the ramps and the parking lot
User Story	**As a** Dispatcher **I want** to be able to view the ramp list and the parking lot **So that** I can see if the ramps and parking lot are empty or full whenever I want
Acceptance Criteria	**Given** that the dispatcher has the right to see the ramps and the parking lot **When** the dispatcher clicks on the ramp list or the parking lot buttons **Then** the overall view of the ramps and the parking lot appear in the system

User Story ID	S06
User Story Title	Dispatcher wants to see the vehicle list and their information
User Story	**As a** Dispatcher **I want** to view the vehicle list **So that** I can see the vehicle list and the information about the vehicles that are registered in the system
Acceptance Criteria	**Given** that the dispatcher has the right to see the vehicle list and their information **When** the dispatcher clicks on the vehicle list **Then** the vehicle list and their information are displayed on the system

User Story ID	S07
User Story Title	Ramp staff wants to call next vehicle
User Story	**As a** ramp staff **I want** to be able to call the next vehicle **So that** the vehicle can come to the ramp I called the vehicle from
Acceptance Criteria	**Given** that the button next to the related ramp on the screen **When** the ramp staff clicks on that button **Then** the next vehicle on the system is called to the relevant ramp

User Story ID	S08
User Story Title	Ramp staff wants to change the states of the vehicle during the shipment operation
User Story	**As a** ramp staff **I want** to be able to change the states of the vehicle during the shipment operation **So that** the vehicle and the ramp can operate correctly and the vehicle's activities can be observed later
Acceptance Criteria	**Given** that the button next to the relevant vehicle on the screen **When** the ramp staff clicks on that button **Then** it is recorded in the database and the vehicle status is updated

User Story ID	S09
User Story Title	Ramp staff notifies the security if a waiting driver doesn't come when notified
User Story	**As a** ramp staff **I want** to be able to notify the security if a waiting driver does not come to the ramp after being notified **So that** the security can check the driver and possibly change the order of the vehicles for me to call the other vehicle
Acceptance Criteria	**Given** that the button next to the relevant vehicle in the ramp list **When** the ramp staff presses the button **Then** a notification is sent to the security personnel in case the relevant vehicle does not come to the ramp

User Story ID	S10
User Story Title	Security adds a new-coming vehicle to the parking lot
User Story	**As a** security **I want** to be able to add the new-coming vehicles to the parking lot **So that** the vehicle can go to its parking spot and its state is changed to indicate that its in parking lot
Acceptance Criteria	**Given** that a new-coming vehicle has arrived **When** an empty spot is selected in the parking lot **Then** the vehicle is added to the empty place in the parking lot

User Story ID	S11
User Story Title	Security updates the arrival / departure times of a vehicle.
User Story	**As a** security **I want** to be able to record the arrival / departure times of a vehicle **So that** the vehicle can be processable and traceable in the system
Acceptance Criteria	**Given** the arrival / departure times of a vehicle **When** the security clicks on the button next to a vehicle in the vehicle list **Then** a vehicle update page opens up and the security can change the arrival / departure times of the vehicle