



# **King Fahd University of Petroleum and Minerals**

*Information & Computer Science Department*

*SWE312 – User Interface Design*

*Semester 201*

*Due: November 3, 2020*

*Group Project*

***Phase 2***

*Group # 5*

***Team Members:***

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### Task #1: Sign Up

Member of the Public can Sign Up, and make an account, allowing him to access the system, by providing the a unique username that follows the regulations of the site, his personal email for identity verification and future communication, a password, and phone number.

A hand-drawn wireframe of a 'Sign up' form. The form is enclosed in a rectangular border. At the top left, there is a small box containing an 'X' and the word 'Logo'. In the top center, the text 'Sign up' is written. At the top right, there is a box containing the text 'English - عربی'. Below the header, the text 'User details:' is written. Underneath, there are four input fields, each preceded by a label: 'User name:', 'Email:', 'Password:', and 'Phone number:'. Below these fields, the text 'Already have an account?' is written and underlined. At the bottom left, there is a button labeled 'Cancel'. At the bottom right, there is a button labeled 'Sign up'.



## Task #2: Log In

All applicable users will have to provide a valid username, and its corresponding password to Log In to the system. Member of the Public can also sign up by following the provided link.

A hand-drawn wireframe of a login page. The page has a header bar with three sections: a close button (an 'X' in a square) labeled 'Logo' on the left, the title 'Log in' in the center, and a language selector 'English\_عربي' on the right. Below the header, the word 'Welcome' is centered. Underneath, there are two input fields: 'Username:' followed by a rectangular box, and 'Password:' followed by another rectangular box. Below these fields are two links: 'Sign up?' on the left and 'Forgot username/password?' on the right. In the bottom right corner, there is a rectangular button labeled 'Log in'.

### Task #3: Report Pothole's Severity and Location

Member of the Public can report a pothole by providing an explanation of the problem and its severity, a description of the pothole's location, and a photo for the pothole.

		Register Reported potholes	Eng - عربی
<p>Explain the problem:</p> <div data-bbox="311 761 1260 963" style="border: 1px solid black; height: 90px; width: 100%;"></div>			
<p>Describe the location:</p> <div data-bbox="311 1064 1260 1265" style="border: 1px solid black; height: 90px; width: 100%;"></div>			
<div data-bbox="311 1310 662 1400" style="border: 1px solid black; padding: 5px; display: inline-block;">Add Photo</div>			
<div data-bbox="1069 1433 1300 1512" style="border: 1px solid black; padding: 5px; display: inline-block; float: right;">submit</div>			

***Task #4: Register Reported Potholes in "PHTRS"***

The registration process is done in the background by the system.  
Therefore, it has no page devoted for performing the functionality.

## ***Task #5: Assign Repair Jobs***

***Task #6: Prioritize Job***

The system will prioritize jobs based in their severity, and location. Which then allows the General Manager to identify important jobs. The process is done in the background by the system. Therefore, it has no page devoted for performing the functionality.

***Task #7: View Available Repair Crew***



## ***Task #8: View Assigned Jobs***

### Task #9: Update Pothole Status

The Repair Crew responsible for the pothole can update the status of the pothole from the options available, and write a report to be sent to the General Manager.

Update Pothole Status

☰	X لود	Pothole Tracking and Repair System	English - عربي
Hole Status			
Repaired		Work in Progress	
Not repaired		Temporary repair	
Report			
<div></div>			
Update			

### Task #10: Submit Damage Claim

Member of the Public can make a damage claim by providing a damage description, explaining the situation, what was damaged, and how. A photo may be provided to further solidify his claim.

Submit damage claim


☰	<del>logo</del>	Site Name	English - <del>032</del>
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Damage Description:

Upload photo:

### Task #11: Create Damage File

The system will create a damage file for all submitted claims in fixed intervals.


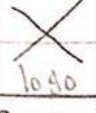
	X logo	Damage file	Eng-عربي
The submitted damage reports:			
Report # xxx			
Report # xxx			
Report # xxx			
Report # xxx			
Report # xxx			

where "xxx" will be a number.

### Task #12: Verify Claim

The Public Works Department Staff can verify claims, and update the status of the claim, to Approved or Refused, based on the information provided by the system, and some effort from his part.

Verify claim



		Pothole tracking and repair system	English - عربي
Damage report			
First name:		Last name:	
<input type="text"/>		<input type="text"/>	
Phone number:		District:	
<input type="text"/>		<input type="text"/>	
(e.g. +61 928 745 183 without leading zero)			
Home number:		Street:	
<input type="text"/>		<input type="text"/>	
Type of damage:		Amount of damage:	
<input type="text"/>		<input type="text"/> A \$	
<input type="button" value="Verify claim"/>			

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### Task #13: Execute Damage Claim

The Public Works Department Staff can see the status of the damage claims, while providing a short description for the decision made regarding said claim, then sending it to the claimer.

execute damage claim

	 to do	Pothole tracking and repair system	English
Damage claim status:			
<input type="button" value="Approved"/>		<input type="button" value="Refused"/>	
Reasons:			
<div></div>			
<input type="button" value="Execute"/>			



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### Task #14: Send Cheque

The Public Works Department Staff can send a cheque for Approved claims, after providing the required information to the system.

Send cheque

		Pothole tracking and repair system	English - عربي
Pay to the member:		Date:	
<input type="text"/>		<input type="text" value="DD/MM/YYYY"/>	
IBAN number:		Bank name:	
<input type="text" value="AT"/> <input type="text"/>		<input type="text"/>	
		Deserved amount:	
		<input type="text" value="A \$"/>	
<input type="button" value="send cheque"/>			

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### Task #15: Generate Report

The General Manager can request the system to generate a report, either a daily report, or a monthly one. Then the system will generate a report of the requested type, and display it. The system shall also generate these types of reports automatically as specified.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Generate Report	Eng - عربي
Request Report:			
<input type="checkbox"/> Daily Report		<input type="checkbox"/> Monthly Report	

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Daily Reports	Eng - عربي
Date: dd / mm / yy			
Total Reports: xxx			
- New Repair Request:			
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
- Completed Repair Request:			
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>

where "xxx" will be a number.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Monthly Reports	Eng - عربي
Date: MM / yy			
Total Reports: xxx			
- New Repair Request:			
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
- Completed Repair Request:			
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>
Report #xxx			<input type="checkbox"/>

where "xxx" will be a number.



***Task #16: Send Report***

The system shall send specified report type to their intended recipient in fixed intervals. The process is done in the background by the system. Therefore, it has no page devoted for performing the functionality.

### Task #17: Sort Report

The General Manager can select individual reports to be sorted, or sort them by some selected criteria, like sort by date.

A hand-drawn UI mockup for a 'Sort reports' interface. The window has a title bar with a hamburger menu icon, a close button (X), the title 'Sort reports', and a language selector 'English - عربي'. Below the title bar, there is a section titled 'List of reports' with a small square icon to its left. This section contains a list of four reports, each with a checkbox and a text input field: 'report 1' (checked), 'report 2' (unchecked), 'report 3' (checked), and 'report 4' (checked). In the bottom right corner of the window, there is a button labeled 'Sort'.