

King Fahd University of Petroleum and Minerals

Information & Computer Science Department

SWE312 – User Interface Design

Semester 201

Due: November 30, 2020

Group Project

Phase 3 Part-A

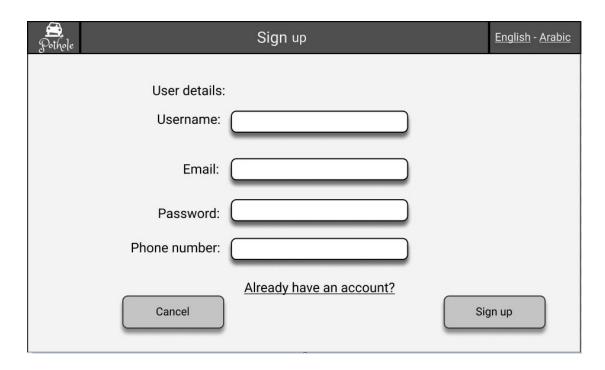
Group #5

Team Members: Contribution:

1- Nazeer Al-Filfil	20%
2- Jawad AlYousef	20%
3- Rayan Al Shahrani	20%
4- Ryan AlBilihi	20%
5- Mosab AlQarni	20%

Task #1: Sign Up

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



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.



Task #3: Report Pothole's Severity and Location

Member of the Public can report a pothole by providing the address of the street, its location on the street, which area in the city, and its size (Severity). The user can also provide more details, or a photo for the pothole.

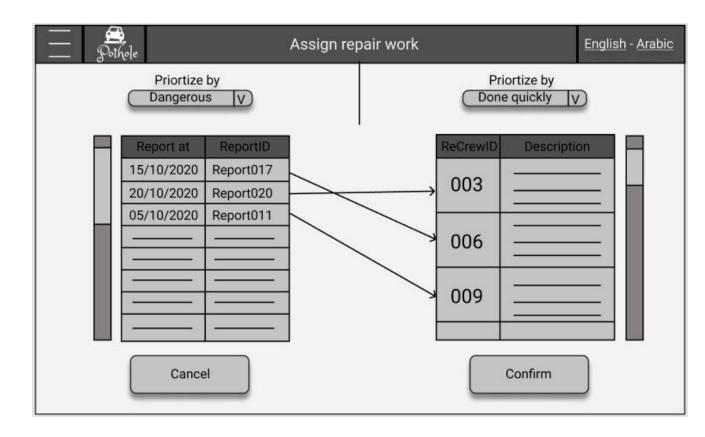
= Poth	ole	Report Pothole		English - Arabic
Stree	et Address:		Pothole Size:	
Loca	tion on the Road:		Area on City:	
More	e Details (Optional):			
Uploa	ad Photo: Browse	My Computer	Image1.p	
	Cancle		Subr	nit

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

The General Manager can see unfinished jobs (reports), and assign them to available Repair Crew. He can also give them more instructions through a text box.

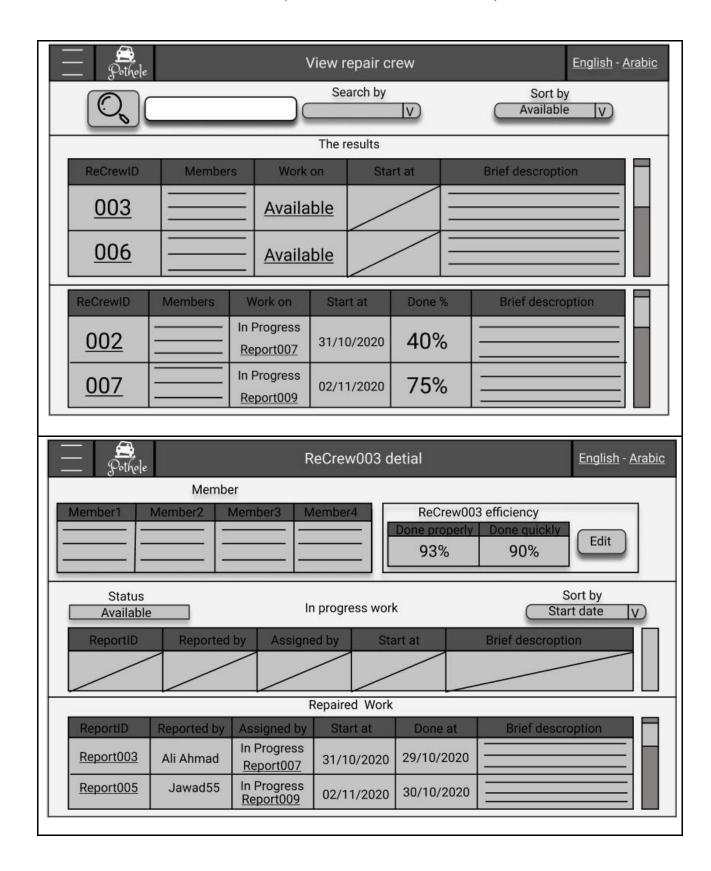


Task #6: Prioritize Job

The system will prioritize jobs based on 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.

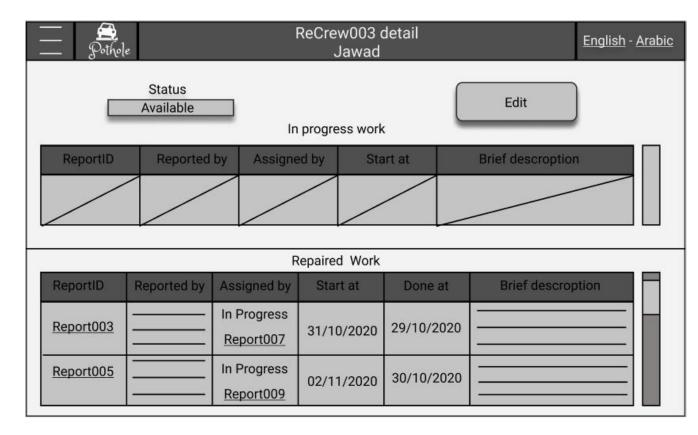
Task #7: View Repair Crew

The General Manager can view all the relevant information on Repair Crew. He can also search for a specific crew, or sort them by a criterion.



Task #8: View Assigned Jobs

Repair Crew can view all the jobs assigned from the General Manager, and can view all previous finished work.



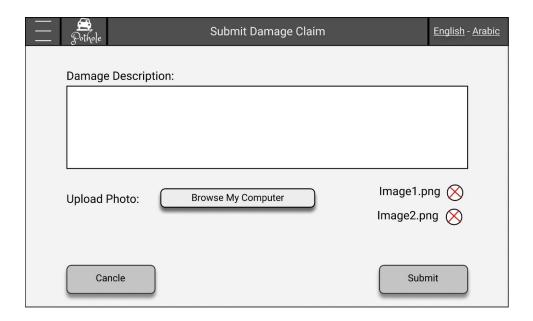
Task #9: Update Pothole Status

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	Update Pothole Status		
✓ Repa	ired Not Repaired	Work in progres	ss Ten	nporary repair
Report: Repo	rt details			
			Upo	date

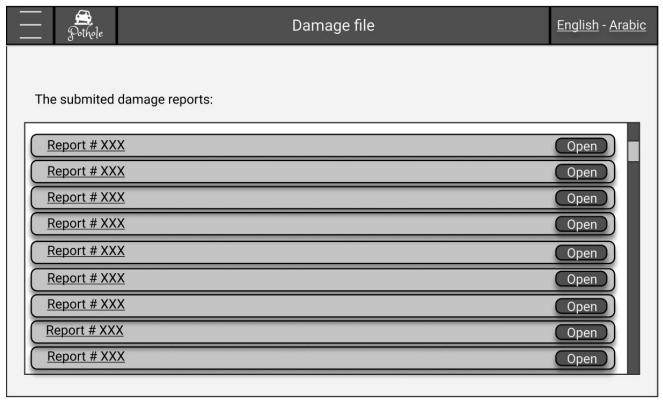
Task #10: Submit Damage Claim

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.



Task #11: Create Damage File

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



Task #12: Verify Claim

The Public Works Department Staff can view all damage files, which then can select a file. Then he can verify the claim, based on the information provided by the system, and some effort from his part.

		English - Arabic	
	File#01: File#02: File#03: File#04: File#05: File#06: File#07: File#08:	open open open open open open open open	
= A Pothole		Verify Claim	English - Arabic
	User's information:		
	Name:	William Brown	
	Phone number:	+61 428 744 127	
	District:	Weir	
	Home number:	243 179	
	Street:	Carlisle	
	Type of damage:	Front bumper	
	Amount of damage:	900 A\$	
	Back	Verify	

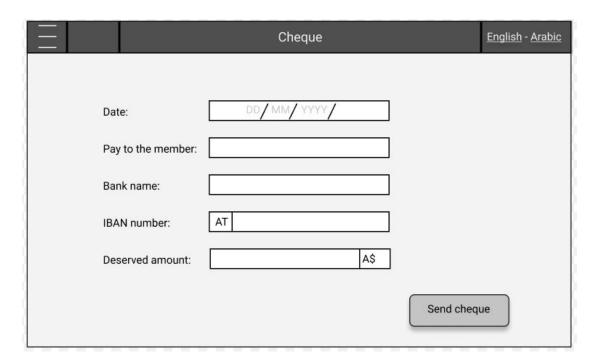
Task #13: Execute Damage Claim

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.



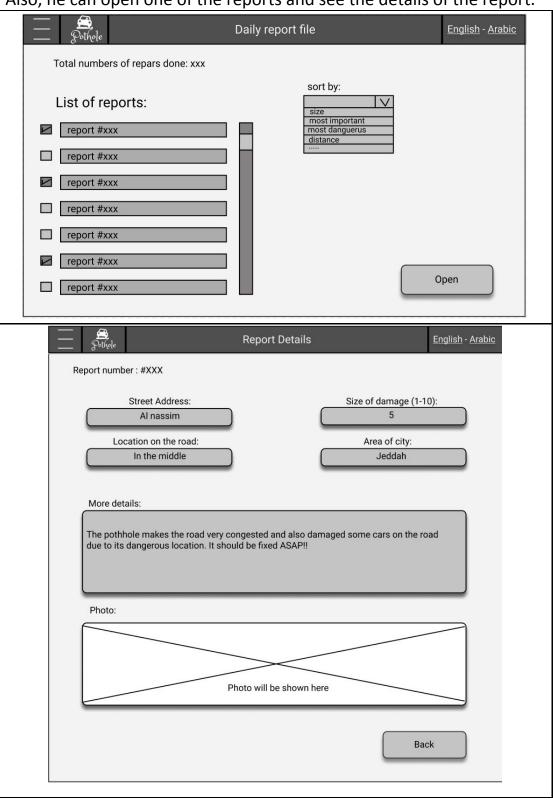
Task #14: Send Cheque

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



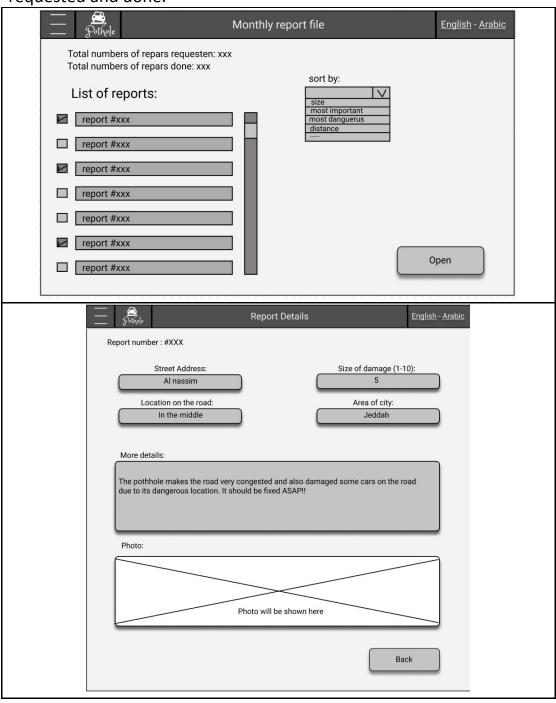
Task #15: Daily report

The General Manager can request the system to generate a daily report. The system will generate the report and display it. The General Manager can also see the total number of repairs done and sort the report by criteria such as size, most importance, most dangerous and distance. Also, he can open one of the reports and see the details of the report.



Task #16: Monthly report

The Public work headquarter can request the system to generate a monthly report. Then the system will generate the report and display it. The Public work headquarter can see the total number of repairs requested and done.



Task #17: 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 #18: Repair Progress

Member of the Public can view the reports he submitted, along with the status of the report (In progress, Repaired, etc...). Also, the submitted report can be viewed by clicking on the report ID.

