## National University of Computer & Emerging Sciences, Karachi

Spring -2023 CS3009-Software Engineering Assignment 01

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Section: 6B

## Question 01:

- A) In our project we are creating a doctor patient application called **Hello Doctor** using Flutter. It will help patients to book their concern Dr through an application.
- B) Goals and Objectives:
  - Booking for Doctor will be easier
  - Searching for Doctor will be efficient
  - Will create an ease for patients to look their concern Doctors
- C) Scope: This project will be a benefit for both doctors as well as for the patients. Doctors can easily check their booked appointment and timing so they can easily manage their schedule. On the other hand patients can book their appointments through Applicationm, for this they don't need to go to a Doctor's clinik or Hospital. It will reduce time wastage as well as increase productivity.
- D) Following is the breakdown structure of our project:
  - Project Management
    - Project planning
    - O Project execution
    - Project control
    - Project closure
  - Research and Analysis
    - Identity target users
    - Analysis potential competition
    - Developing users and actors
    - Defining users requirement
  - Design
    - Application architecture
    - Developing Application's UI and UX
    - Maintaining all documentation
  - Development of Application
    - O Developing all the UI for the application
    - Creating easy booking and notification reminder
  - Deployment and Maintainance

- O Deployment on Playstore and AppStore
- O Testing before deployment
- Future planning and it's

day / date:
Q NO 2
Work Breakdown Structure (WBS)
For Easy Travel App Developement.
1. Project Planning & Analysis  (a) Concluct market research and Analysis  (b) Develope Project Scope Statement
(a) Concluct market xescarch and Analysis  (b) Develope Project Scape Statement  (c) Define Project objectives and goals.  (d) Identify Project deliverables.  (e) Analyze user requirements and needs.  (f) Evaluate Project jeasibility and risks.
a. Design and Developement.
2. Design and Developement.  (A) Develope User Interface Design  2. Design onboard Screen with basic features.  2. Develope Driver's Interface
b. Design home scoren with selected
vehicle display  c. Pevelope change vehicle option  d. create start journey option  e. Pesign automatic arrived jeature  F. develope attendance feature
F. develope attendance feature  9. cocate absent marking option
g. cocate absent marking option  h. Pevelope vide complete feature  i. Design occassional call option  KAGHAZ  www.kaghazpk

3.	
	h. Design home seveen with selected
	h. Design home server with selected
	C. Develope change passenger option.
	C. Develope change passenger option.
	d. Execte Tracking services felling.
	e. Design pop-up successful vide message.
	J. Develope side history feature
	5. Develope side history feature 9. a seate delay and conculation option h. Develope passenger no-show notification feature
	W. Develope passenger no-show nortification feature
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B	. Develope Software Architecture and Databa
	2. Develope software design and & tructure.
	a Craft Octobras alain and Structure
	3. Integrate user interesce design with Soutwar
	3. Integrate user interface design with doptware Architecture.
C	· Pevelope Mobile Application.
	1. create pront-end and back-end develop
	2. develope mobile App testing and debugg
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	3. A 1 1 1 1 1 1 1 ha 1 1 A 1. 1.
	3. Integrate closabase with Mobile Application

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3	Quality Assurance and Testing	
	A. Develope test-plane and test-cases	
	B. Conduct unit testing and Integration to C. Conduct System and Acceptance testing D. Conduct usability and Security testing	
	Deployement and Maintainere	
	A. Deploy the mobile application on	
	A. Deploy the mobile application on App Store.  B. Monitor Application performance and the feedback	L
	C. Conduct Software Maintaniance an Updates.	
	D. Provide Customer Support and Assisto	mce,

P+0+4B 6  Ali = 87+69+4(70) = 71.5		(3)	AND ROBERTS			
a) Weighted estimator for each estimator.  P+0+4B 6  Ali = 87+69+4(70) = 71.5 6  Zain = 91+72+4(80) = 80.5  Shah = 88+50+4(70) = 69.67  Itassan = 97+88+4(5) = 94.17 6  b) Average joint Estimate	(2 No3 :			(k	day	/ date:
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