Department of Computer Science

Term Project Proposal, Fall 2021-22

Course	OBJECT-ORIENTED PROGRAMMING 2 [Q]	Group	8

Group Members:

Student ID	Name	Contribution
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Project Title: The Last Soldier	
Prepared By: Last Soldier Team	**Date:** Nov 8 2021

Instructions:

- Fill up *name, id, section, project title* and *project description* area.
- Mention all the **Entities** and **attributes for each Entity** clearly in your Project proposal.
- Please specify how many **roles** there are in your system and their **functionalities**.
- You must provide your Project Proposal Data dictionary in the format given below.
- Please don't write anything for **GROUP** and select anything for the **Requirements** section.
- Your project must fill all the requirements given in the requirement section.
- You have to **fill and upload** the document by
- Only one member per group should **upload** the file.
- The only first page is required for your proposal submission. This page only contains instructions and examples.

Project Description:

User – 1 (Army Man)		
User Feature Name	**Actor**	**Feature Story**
Registration	Army Man	Registration will perform by the army authority. After that, Passwords and Unique IDs will be provided to the soldiers.
Sign In	Army Man	The Soldier needs to sign in to the system to access the features as a system user.
Profile	Army Man	In this panel, soldiers can see their picture, name and unique id.
Home	Army Man	On the home page, soldiers can see the news and announcement from the army.
Available Mission	Army Man	Soldiers will see the available missions list here.
Completed Mission	Army Man	Soldiers who have completed a mission will see the information here.
Join Mission	Army Man	If soldiers are not in a mission or registered, they can join on an available mission. To join unique id will be needed.
Sign Out	Army Man	After completing their work, they can sign out from the system.

User – 2 (Army Man Family)		
User Feature Name	**Actor**	**Feature Story**
Registration	Army Man Family	Family members need to register to access the system. Name, email address, and unique id (unique id of army man) will be needed to complete registration.
Sign In	Army Man Family	Family members need to sign in to the system to access the features as system users.
Profile	Army Man Family	In this panel, user can see their picture, name and unique id.
Home	Army Man Family	A welcome interface will appear here.
Search	Army Man Family	Users can search Soldiers by their unique id and see the latest information.
Sign Out	Army Man family	After completing their work, users can sign out from the system.

User – 3 (Admin)		
User Feature Name	**Actor**	**Feature Story**
Registration	Admin	Registration will perform by the army authority
Sign In	Admin	Admin needs to sign in to the system to access the features as a system user.
Home	Admin	Details of all users will appear.
Search	Admin	Admin can search users by the unique id and username see the information about them.
Insert	Admin	Insert a valid user.
Delete	Admin	Delete a user.
Update	Admin	Update user details.
Send Notice	Admin	Send notice to the user.
Sign Out	Admin	After completing the work, Admin can sign out from the system.

Data Dictionary

Table – 1 (ArmyManLogin Table)

Key	Name	Data Type	Length	Nullable
	Username	VARCHAR	50	No
	PASS	NVARCHAR	50	No
Primary	Uni_id	NVARCHAR	50	No
	Location_A	VARCHAR	50	No
	Imagex	IMAGE	-	No

Table – 2 (MISSION Table)

Key	Name	Data Type	Length	Nullable
Primary	Uni_id	NVARCHAR	50	No
	MISSION_NAME	VARCHAR	50	No
	Statuss	VARCHAR	50	No

Table – 3 (User_info_family Table)

Key	Name	Data Type	Length	Nullable
	FNAME	VARCHAR	50	No
Primary	UNIQUE_ID	NVARCHAR	50	No
	EMAIL	VARCHAR	50	No
	PASS	NVARCHAR	50	No

Table – 4 (Admin Table)

Key	Name	Data Type	Length	Nullable
Primary	User_id	NVARCHAR	50	No
	PASS	NVARCHAR	50	No

View – 1 (ARMY)

Key	Name	Data Type	Length	Nullable
	Name	VARCHAR	50	No
Foreign	ID	NVARCHAR	50	No
	Location	VARCHAR	50	No
	Mission	VARCHAR	50	No
	Status	VARCHAR	50	No
	Image	IMAGE	-	No

• At least 2 types of Users	• Search Option for all users.	• Database CRUD operations
• One Complete Repository	• Use of delegates	• All the Forms MUST be connected.
• Database Connection Class.	• OOP Principles	• n-Tier Architecture.
• Normalized DB (2NF)	• Application Layer (Form Design).	• Entity Classes
• Form Validation		