

SIMAD
UNIVERSITY



BLUEGLORY

SOLDIER MANAGEMENT SYSTEM

PREPARED BY AYMEN MAHMOUD ABDI

Contact:
aymenmahood@gmail.com



INTRODUCTION

BLUEGLORY IS A SOLDIER MANAGEMENT SYSTEM SERVICE, AN ASP.NET MVC-BASED APPLICATION DESIGNED TO STREAMLINE THE MANAGEMENT OF SOLDIER-RELATED DATA. IT OFFERS A USER-FRIENDLY INTERFACE TO PERFORM CRUD (CREATE, READ, UPDATE, DELETE) OPERATIONS AND INCLUDES A SECURE LOGIN AND REGISTRATION SYSTEM. THE APP FEATURES TWO DISTINCT LAYOUTS TAILORED FOR SPECIFIC USE CASES: A LANDING PAGE FOR GENERAL ACCESS AND A SOLDIER PORTAL FOR DATABASE INTERACTIONS.



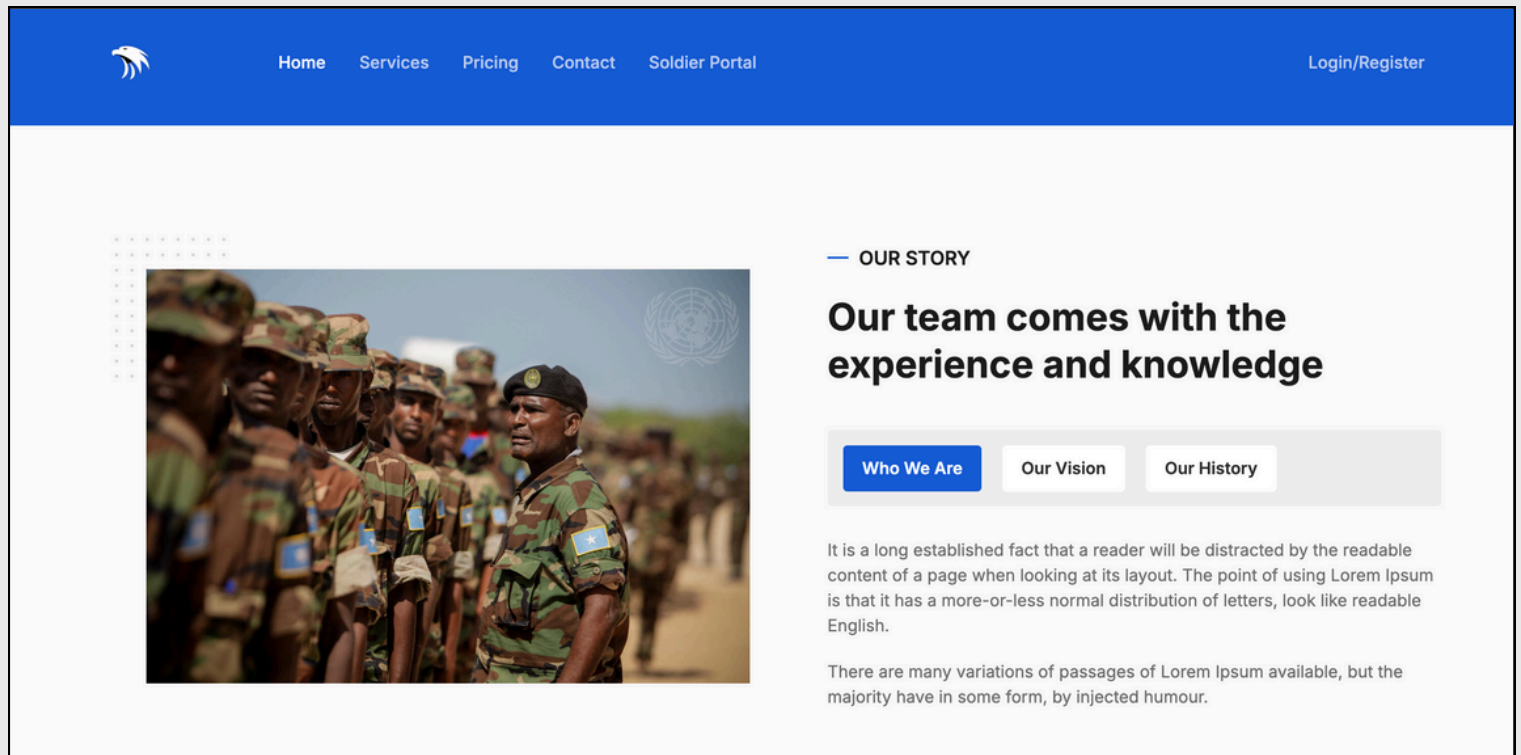


FIG 1. LANDING PAGE

FIG 1. WE HAVE A SNIPPET OF THE LANDING PAGE FOR BLUEGLORY SYSTEM MANAGEMENT SYSTEM

- **PROBLEM SOLVED BY SOLDIERMGTSYS**
MANAGING MILITARY PERSONNEL DATA CAN BE COMPLEX, ESPECIALLY WITH LARGE AMOUNTS OF DATA SCATTERED ACROSS VARIOUS SYSTEMS. MANUAL PROCESSES OR FRAGMENTED SYSTEMS OFTEN LEAD TO INEFFICIENCIES, INACCURACIES, AND TIME DELAYS. SOLDIERMGTSYS ADDRESSES THESE CHALLENGES BY PROVIDING A CENTRALIZED PLATFORM WHERE ADMINISTRATORS CAN:
 - REGISTER SOLDIERS, ASSIGNMENTS, DEPLOYMENTS, RANKS, AND UNITS.**
 - QUICKLY RETRIEVE, UPDATE, OR DELETE EXISTING DATA.**
 - LIMIT USER ACCESS BASED ON ROLES TO ENSURE DATA SECURITY.****THIS SYSTEM NOT ONLY IMPROVES OPERATIONAL EFFICIENCY BUT ALSO REDUCES ERRORS AND ENSURES CONSISTENT DATA AVAILABILITY.**

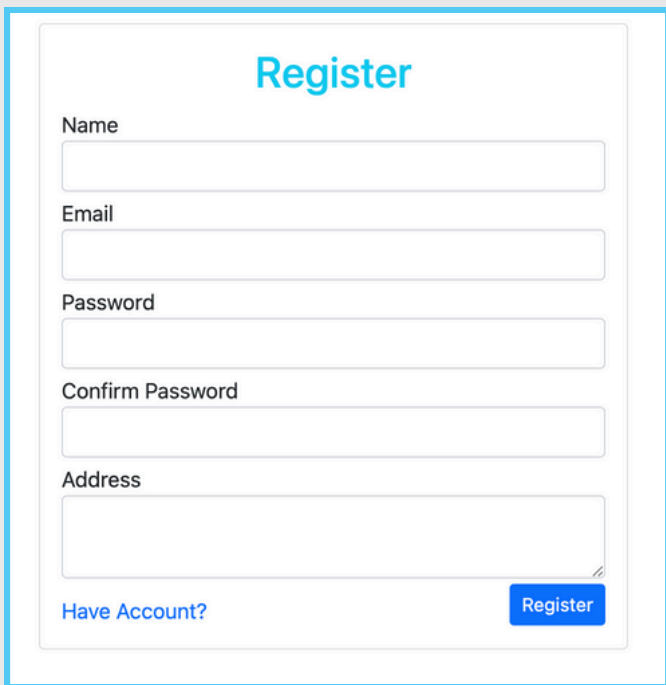
The register form is titled "Register" in a large blue font. It contains five input fields: "Name", "Email", "Password", "Confirm Password", and "Address". Each field is a simple white rectangle with a thin grey border. At the bottom left, there is a blue link "Have Account?". At the bottom right, there is a blue button with the text "Register" in white.

FIG 2. REGISTER PAGE

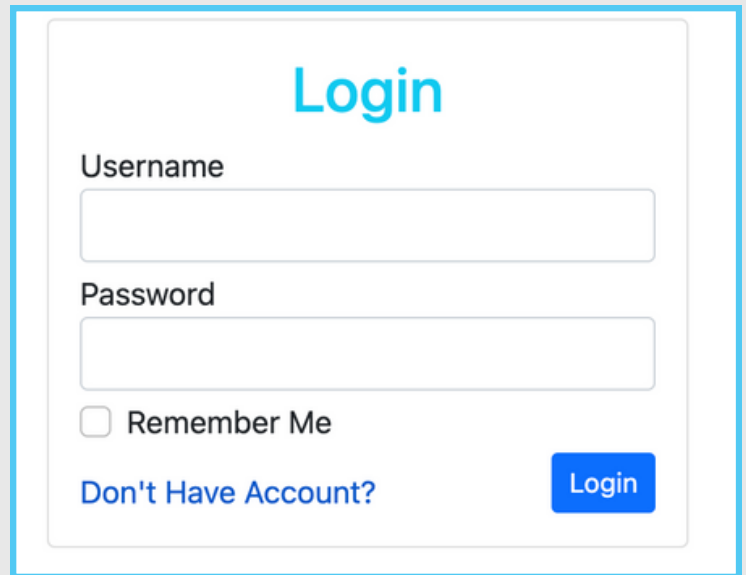
The login form is titled "Login" in a large blue font. It contains two input fields: "Username" and "Password". Below the password field is a checkbox labeled "Remember Me". At the bottom left, there is a blue link "Don't Have Account?". At the bottom right, there is a blue button with the text "Login" in white.

FIG 3. LOGIN PAGE

LOGIN/REGISTRATION SYSTEM

USER ROLES: THE APP FEATURES TWO ROLES: ADMIN AND USER.

ADMIN ROLE: FULL ACCESS TO ALL CRUD FUNCTIONALITIES.

USER ROLE: LIMITED ACCESS, PRIMARILY FOR VIEWING RECORDS.

SECURITY: PASSWORD ENCRYPTION AND SECURE AUTHENTICATION MECHANISMS PROTECT USER DATA. USERS MUST LOG IN OR REGISTER BEFORE ACCESSING THE SOLDIER PORTAL.

CRUD OPERATIONS

CREATE: ADMINISTRATORS CAN ADD NEW SOLDIERS, RANKS, UNITS, DEPLOYMENTS, AND ASSIGNMENTS. FORMS WITH VALIDATION ENSURE THE DATA ENTERED MEETS REQUIRED STANDARDS.

READ: BOTH ADMINS AND USERS CAN VIEW DATABASE RECORDS. USERS ARE RESTRICTED TO READ-ONLY ACCESS, WHILE ADMINS CAN INTERACT FULLY.

UPDATE: EXISTING RECORDS CAN BE EDITED TO REFLECT UPDATED INFORMATION, SUCH AS A SOLDIER'S PROMOTION OR REASSIGNMENT.

DELETE: ADMINS CAN REMOVE OUTDATED OR INCORRECT RECORDS, ENSURING THE DATABASE STAYS CLEAN AND RELEVANT.

Soldier
Details:

SOLDIER ID	FIRST NAME	LAST NAME	DATE OF BIRTH	RANK ID	UNIT ID	DATE OF ENLISTMENT
9	Odawa	Naaleeye	01-01-1988	1	2	01-03-2008
10	MaxamadDeeq	Xiireey	01-01-1990	2	1	03-03-2008
11	Ali	Sheikh Jama	01-01-1977	8	1	08-01-1995
12	Salma	Shiire	01-01-1997	3	2	04-03-2016
13	Khalid	Ali	04-03-1977	6	2	01-01-2000
1009	Mohamed	Hassan	04-01-1995	4	1	04-03-2010

FIG 4. DATABASE SOLDIER PORTAL

Soldier
Details:

SOLDIER ID	FIRST NAME	LAST NAME	DATE OF BIRTH	RANK ID	UNIT ID	DATE OF ENLISTMENT
9	Odawa	Naaleeye		1	2	01-03-2008
10	MaxamadDeeq	Xiireey		2	1	03-03-2008
11	Ali	Sheikh Jama		8	1	08-01-1995
12	Salma	Shiire	01-01-1997	3	2	04-03-2016
13	Khalid	Ali	04-03-1977	6	2	01-01-2000
1009	Mohamed	Hassan	04-01-1995	4	1	04-03-2010

FIG 5. CRUD FUNCTIONALITY

- THE FIRST FIGURE (FIG. 4) SHOWS THE MAIN INTERFACE OF THE SOLDIER PORTAL WHERE ALL THE CRUD OPERATIONS ACCESSED BY THE ADMIN IS TAKEN PLACE, THIS SIMPLE MINIMALISTIC DESIGN ALLOWS FOR A MORE ROBUST APPROACH TOWARDS MANAGING DATA IN AN EFFICIENT WAY FOR OUR TROOPS

CONCLUSION



BLUEGLORY IS A COMPREHENSIVE SOLUTION FOR MANAGING SOLDIER DATA EFFECTIVELY. WITH ITS ROBUST CRUD OPERATIONS, SECURE LOGIN/REGISTER FUNCTIONALITY, AND USER-FOCUSED DESIGN, IT ADDRESSES CRITICAL CHALLENGES IN MILITARY PERSONNEL MANAGEMENT. ITS SCALABILITY ENSURES IT CAN ADAPT TO FUTURE NEEDS, MAKING IT A VALUABLE TOOL FOR ADMINISTRATIVE EFFICIENCY.

EMPOWERING THE SOMALI CORPS IN THEIR QUEST FOR GLORY!

THE END