

LIBRARY

Decision support system project



introduction

- **A Library System project focuses on creating a software solution for efficient library management, encompassing tasks like book cataloging, user management, and check-in/check-out processes. The goal is to streamline operations, improve resource accessibility, and offer accurate information on book availability.**



INITIAL BUDGET

300000 \$

Budget

FINAL BUDGET

298160 \$

Budget



DEVELOPMENT TEAM

- Employee
 - Project management
 - Project owner
 - Flutter (1 Senior)
 - Front (1 Junior)
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DEVELOPMENT TEAM

- Back (2 Senior / 2 Junior)
 - UI\UX (1 Junior)
 - DBAS (2 Senior)
 - System AS (1 Senior)
 - Tester
-

FEATURES OF OUR PROJECT

- **Allow users to register for Library by entering (first name, last name, date of birth, password)**
- **Authenticate user identity during login**
- **Add new books to the library catalog**
- **Update book info**

FEATURES OF OUR PROJECT

- **Delete books from the catalog**
- **Display availability and location**
- **Implement advanced search**
- **Allow users to search for book**

FEATURES OF OUR PROJECT

- **Facilitate book checkout and record borrowing details.**
- **Generate reports on book Provide.**
- **analytic on each books category.**
- **Handle book returns and update availability status.**

FEATURES OF OUR PROJECT

- **Enables users to add books to his favorites.**
- **Adding favorites section which enables user to see his favorites.**
- **Provide personalized book recommendations based on user preferences, reading history, or popular trends.**
- **Allow users to pay for borrowing.**

FEATURES OF OUR PROJECT

- **Manage discount codes**
 - **Allow users to borrow books at a discount through a variety of means Unless requirements**
 - **Maintain a reading history for users**
 - **allowing them to track the books they have borrowed and read in the past.**
-

FEATURES OF OUR PROJECT

- **Allow only book borrowers to write reviews and provide ratings.**
- **facilitating community engagement and aiding in book selection.**
- **Enable sharing book recommendations, reviews, or borrowing activities on social media platforms.**
- **Send notifications to users when their reserved books are available for pickup.**

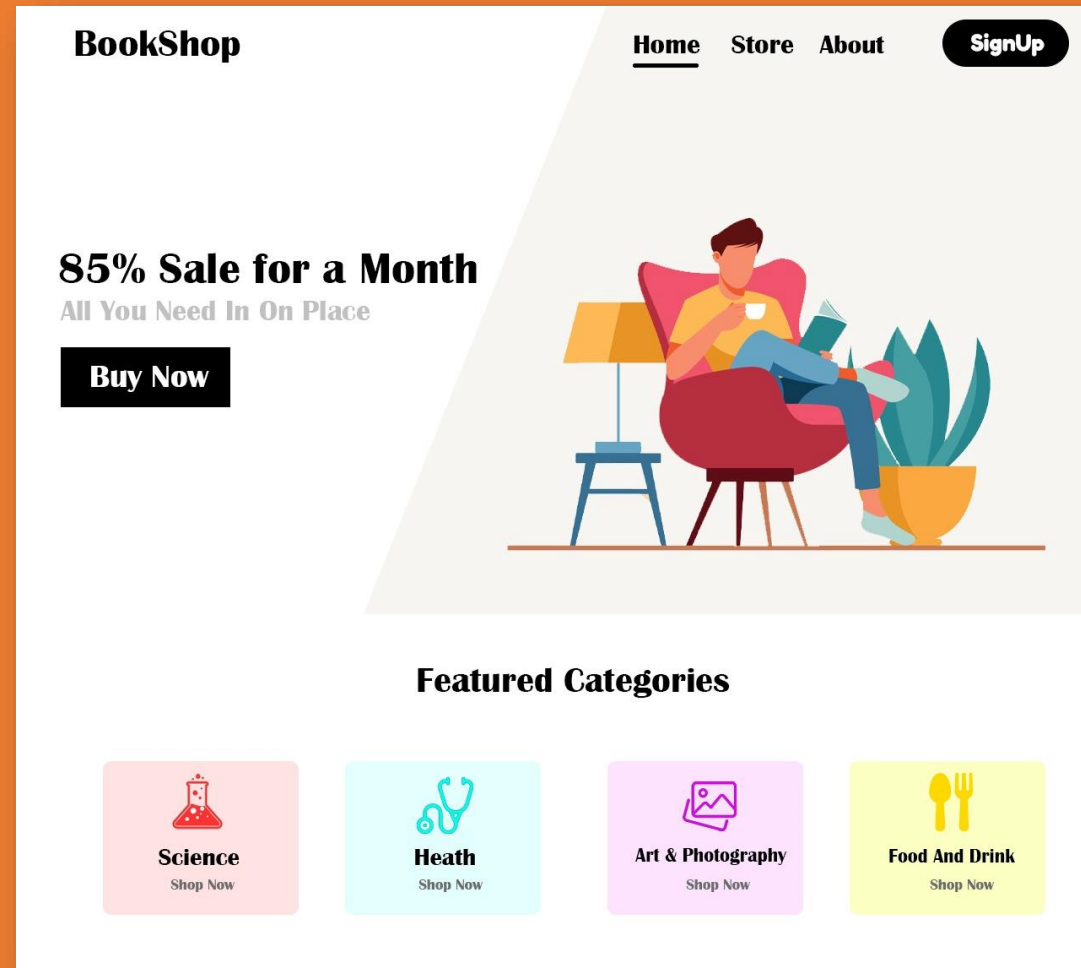


Project screens

1

First
screen

On this webpage, you will discover a diverse array of content, encompassing the latest news updates, ongoing sales promotions, and an extensive selection of book categories, including but not limited to science, health, and art. You can also create an account by pressing 'Sign Up'.



80h

22000 \$

2**Second
screen**

This page contains creating an account, such as the first name, then the second name, then creating a highly secure password, then writing a new email so that he can log in and so that the other page appears for him.

BookShop

Sign Up

Username

Type your name in the website

Email Address

You@emaple.com

Password

Enter 6 character or more

Phone Number

+20

Register

**80h****22000 \$**

3**Third
screen**

This page contains login by registering email and password. There is another way to register, which is to register via Facebook or via Google. If there is no account, a new account is created and then registered so that the other page appears.

BookShop**Login**

Create a new account ? [Sign Up](#)

Email Address

You@emaple.com

Password

Enter 6 character or more

☐ Remember me

LOGIN

 Google

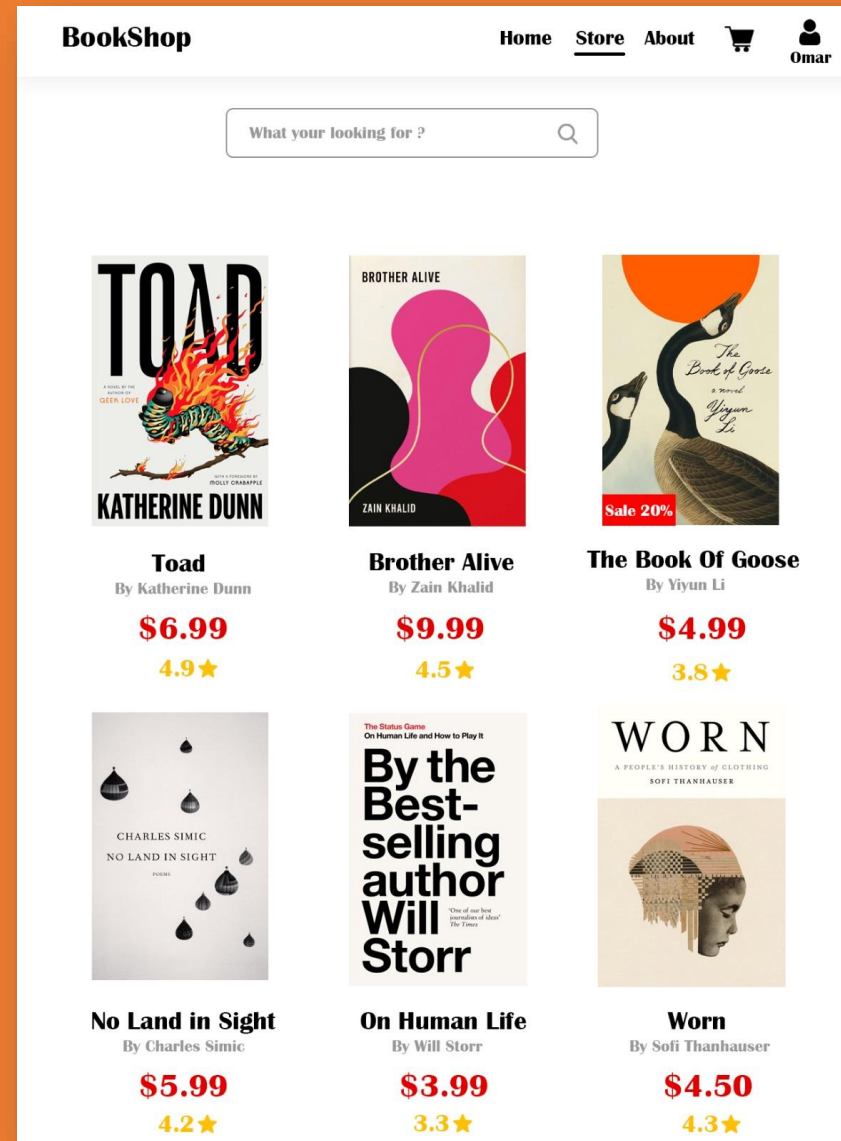
 Facebook

**80h****22000 \$**

4

Fourth
screen

This page contains all the books with descriptions, prices, and ratings to help you know people's opinions about each book. At the top of the page, there is a search bar to find any book you need



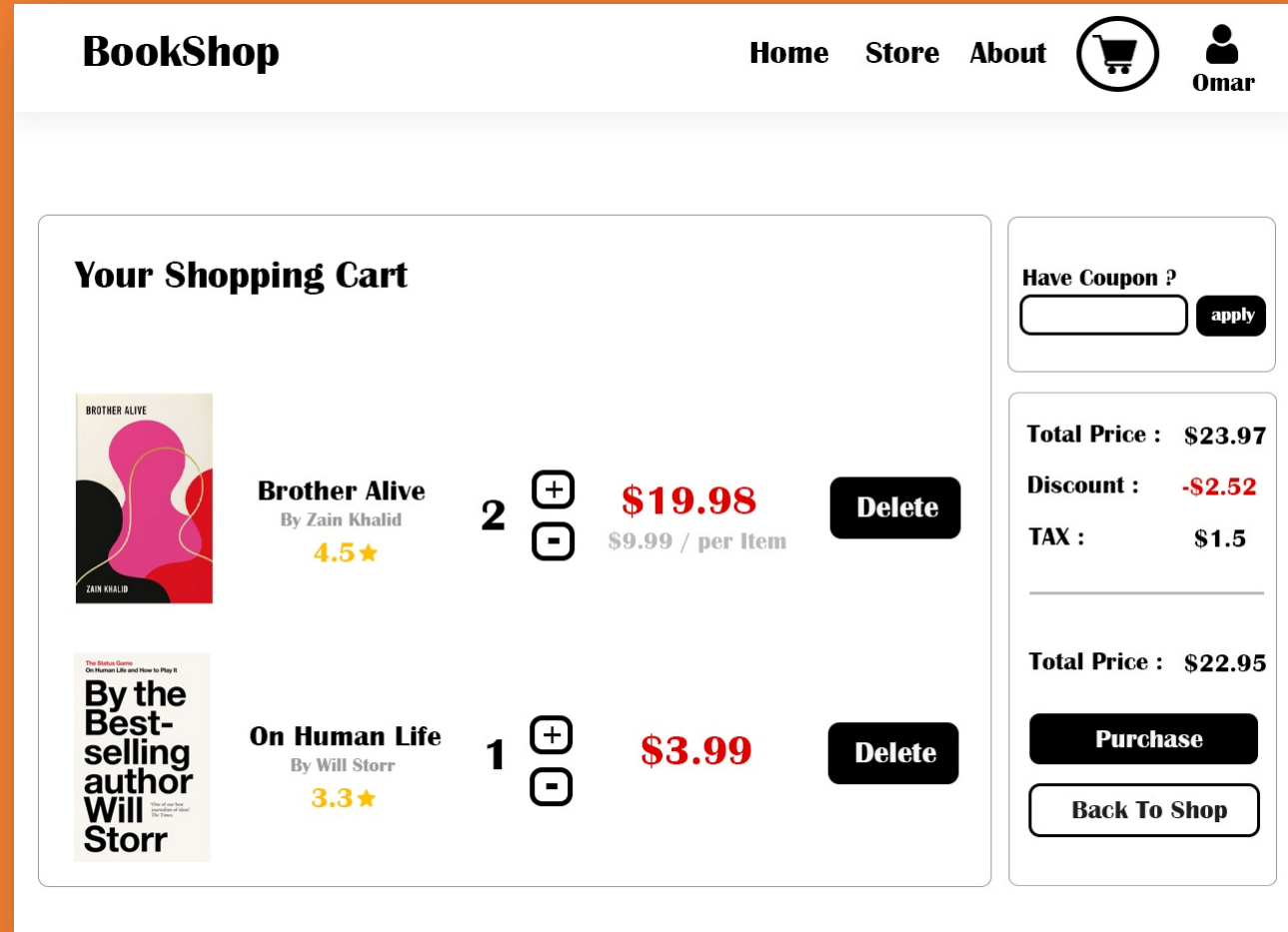
80h

22000 \$

5

Fifth
screen

In the shopping cart, you have the ability to efficiently manage your selected items, confirm your orders, or opt to delete them as needed. Additionally, you can review the itemized prices before tax and discount, ensuring transparency, and view the total price for your order



80h

22000 \$

6**Sixth
screen**

On this webpage, we invite you to share your concerns or suggestions with us effortlessly. All it takes is a moment to type in your name, email, and message, allowing for a seamless communication experience.

BookShop**Contact Us****Username**

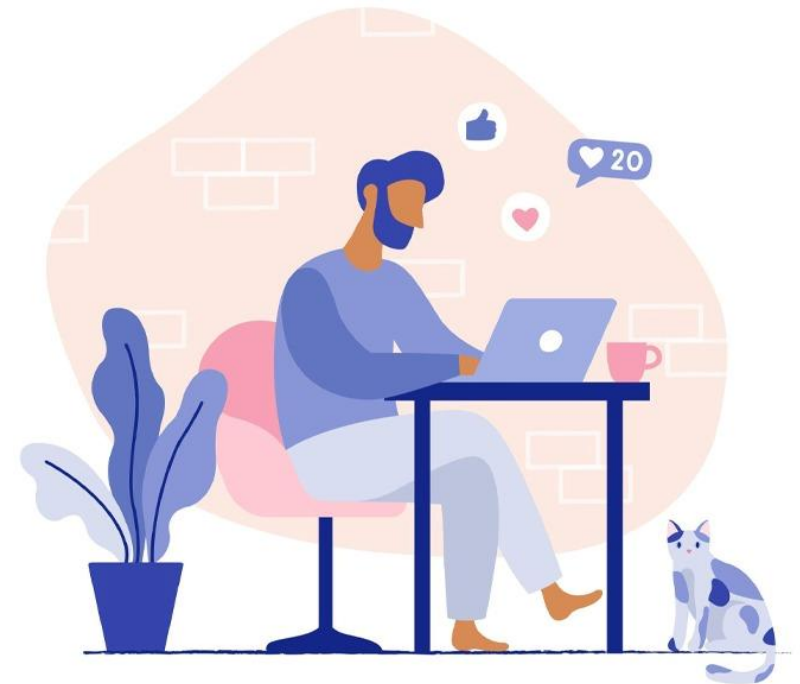
Type your name in the website

Email Address

You@emaple.com

Message



Tell Us What Your Need

Send**80h****22000 \$**

7**Seventh
screen**

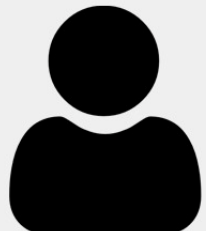
Here, you have the convenience to update your profile details, including your first name, last name, email, and password. Additionally, you can personalize your profile by changing your profile picture.

BookShop

HomeStoreAbout**Omar**

Edit Your Profile

Photo:



Chose a File

Account Information

First Name

Last Name

Email

Change Your Password

Current Password

New Password

Repeat Password

Cancel

Save

80h**22000 \$**

	Task Mode	WBS	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
1	📌	1	▾ LIBRARY SYSTEM	128.25 days	Tue 12/19/23	Fri 6/14/24			\$298,160.00
2	📌	1.1	Project Initiation	3 wks	Tue 12/19/23	Mon 1/8/24		mahmoed ahmed,ma	\$36,000.00
3	📌	1.2	System Requirements	3 wks	Tue 1/9/24	Mon 1/29/24	2	mahmoed ahmed,ma	\$36,000.00
4	📌	1.3	▾ Design Phase	25 days	Tue 1/30/24	Mon 3/4/24	3		\$7,000.00
5	📌	1.3.1	Architecture Design	15 days	Tue 1/30/24	Mon 2/19/24		amer[50%]	\$4,200.00
6	📌	1.3.2	User Interface Design	2 wks	Tue 2/20/24	Mon 3/4/24		amer[50%]	\$2,800.00
7	📌	1.4	Database Design	2 wks	Tue 1/30/24	Mon 2/12/24	4SS	abdo,osama,asma3e	\$32,800.00
8	📌	1.5	▾ Development	9 wks	Tue 2/13/24	Mon 4/15/24	7		\$112,800.00
9	📌	1.5.1	Frontend Development	1 wk	Tue 2/13/24	Mon 2/19/24		ahmed[50%],omer [5	\$4,000.00
10	📌	1.5.2	Backend Development	8 wks	Tue 2/20/24	Mon 4/15/24	9	amr[50%],marwan[5	\$108,800.00
11	📌	1.6	▾ Testing	23 days	Tue 4/16/24	Thu 5/16/24	8		\$7,360.00
12	📌	1.6.1	Unit Testing	3 days	Tue 4/16/24	Thu 4/18/24		mohssen[50%]	\$960.00
13	📌	1.6.2	Integration Testing	4 wks	Fri 4/19/24	Thu 5/16/24		mohssen[50%]	\$6,400.00
14	📌	1.7	Deployment	2 hrs	Fri 5/17/24	Fri 5/17/24		mahmoed ahmed,ma	\$600.00
15	📌	1.8	Maintenance and Support	1 wk	Fri 5/17/24	Fri 5/24/24	14	ahmed[50%],amr[50	\$29,600.00
16	📌	1.9	Documentation and Training	2 wks	Fri 5/24/24	Fri 6/7/24	15	mahmoed ahmed,ma	\$24,000.00
17	📌	1.10	Project Closure	1 wk	Fri 6/7/24	Fri 6/14/24	16	mahmoed ahmed,ma	\$12,000.00

	i	Resource Name ▼	Discription ▼	Type ▼	Initials ▼	Max. ▼	Std. Rate ▼	Ovt. Rate ▼
1		mahmoud khaled	Project management	Work	m	100%	\$150.00/hr	\$0.00/hr
2		mahmoed ahmed	Project owner	Work	m	100%	\$150.00/hr	\$0.00/hr
3		omer	Flutter	Work	o	50%	\$100.00/hr	\$10.00/hr
4		ahmed	Front	Work	a	50%	\$100.00/hr	\$5.00/hr
5		salah	Back S	Work	s	50%	\$120.00/hr	\$15.00/hr
6		marwan	Back S	Work	m	50%	\$120.00/hr	\$15.00/hr
7		mazen	Back j	Work	m	50%	\$70.00/hr	\$10.00/hr
8		amr	Back j	Work	a	50%	\$70.00/hr	\$10.00/hr
9		amer	UI\UX	Work	a	50%	\$70.00/hr	\$5.00/hr
10		osama	DBAS	Work	o	100%	\$130.00/hr	\$20.00/hr
11		abdo	DBAS	Work	a	100%	\$130.00/hr	\$20.00/hr
12		asma3el	System AS	Work	a	100%	\$150.00/hr	\$25.00/hr
13		mohssen	Tester	Work	m	50%	\$80.00/hr	\$15.00/hr

\$70,000.00

\$60,000.00

\$50,000.00

\$40,000.00

\$30,000.00

\$20,000.00

\$10,000.00

\$0.00

ahmoud khaled

ahmoed ahmed

omer

ahmed

salah

marwan

mazen

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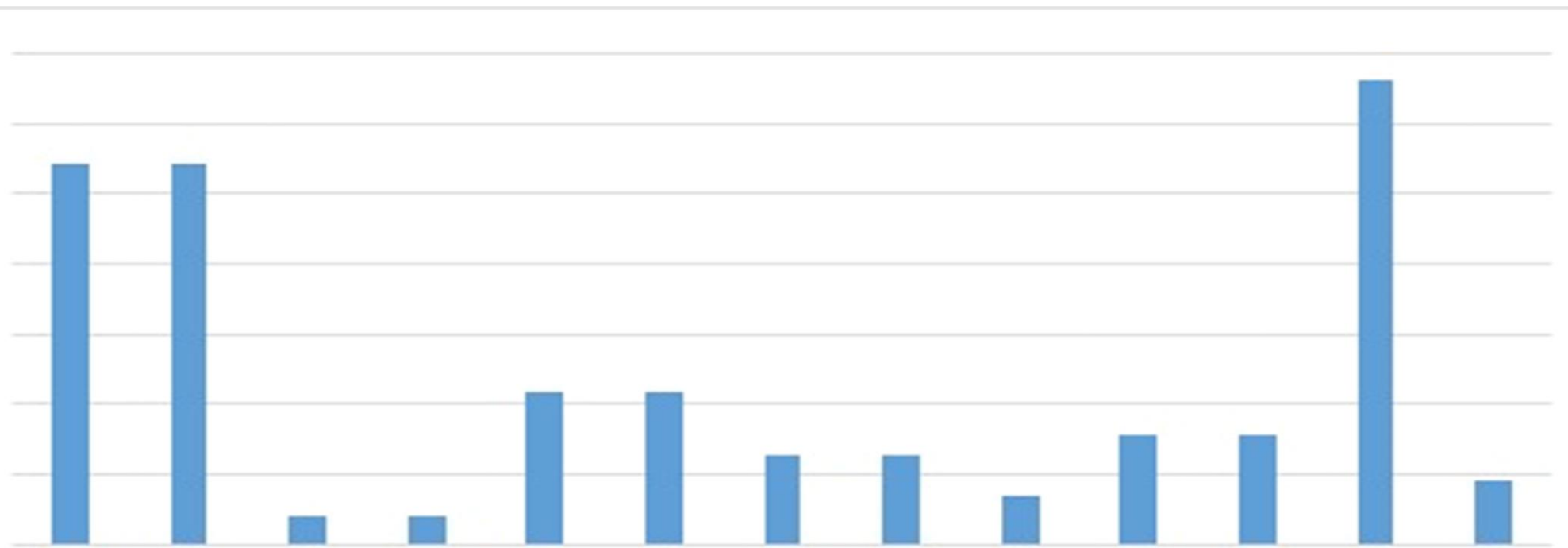
amer

osama

abdo

asma3el

mohssen



RESOURCE STATS

Work status for all work resources.

