

Project Report :

Manufacturing Set-up Company

Group Members:

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Brief Overview:

"Manufacturing Company Setup" is a console based Java application that helps users in their existing business or in starting a new business. It has main functionalities like making advertisements on different platforms, giving guidance on machine repairing and giving its appropriate budget and giving guidance in new business start up by giving new business ideas, searching land area for it, giving approximate budget and giving approximate timeline for it. The application offers professional support with clear interfaces and detailed information tailored to user needs.

Features:

1. Signup/Login System:

- Users can sign up for a new account or log in with existing accounts.
- Password-protected login ensures security for user accounts.
- User credentials are stored in a txt file for verification.
- Upon successful signup or login, users are directed to their respective functionalities.

```
Welcome to the LOGIN page!!
```

```
Select an option:
```

```
1. Sign Up (Register)
```

```
2. Log In
```

```
3. Exit
```

```
Enter your choice: 1
```

```
Sign Up (Register)
```

```
Enter a username: utsav tala
```

```
Enter a password: 1234
```

```
Enter your name: utsav
```

```
Enter your surname: tala
```

```
Enter your mobile number (10 digits): 1234567890
```

```
Enter your Gmail : abc@gmail.com
```

```
User registration successful!
```

```
Select an option:
```

```
1. Sign Up (Register)
```

```
2. Log In
```

```
3. Exit
```

```
Enter your choice: 2
```

```
Log In
```

```
Enter your username: utsav tala
```

```
Enter your password: 1234
```

```
Login successful. You are now logged in!
```

2. Advertisement:

- Users can manage advertising campaigns for their companies.
- Specific advertising methods include TV channel advertising, radio advertising, social media advertising, etc.
- Users provide company information and our company gives advertising budgets

- The system suggests strategic billboard locations for display ads.
- “Company_info”: This method collects information about the company for advertising purposes, such as the company's name, type, and city. It also gathers details about the budget for advertising.

```
Welcome to the Business Services!!!!!!
```

```
Select an option:
```

1. Advertisement for your business
2. Machinery & repairing
3. start a new business
4. Exit

```
Enter your choice: 1
```

```
Welcome to the advertisement section.
```

```
Welcome to the Advertisement Department.
```

```
Please provide information about your business.
```

```
Enter your company name: abc
```

```
Enter your company type: abc
```

```
Enter your city: rajkot
```

```
What are your advertisement goals? for geting higher market value
```

```
How long have you been in business(in year)(if you start a new bussiness than enter zero)? 5
```

```
Please enter your company's valuation(in lacs)(if you start a new bussiness than enter zero): 50
```

```
Select an advertising option:
```

1. Newspaper and Magazine
2. TV
3. Radio
4. Social Media
5. Influencer Marketing
6. Billboards
7. Exit

```
Enter your choice: 1
```

```
Enter the number of newspapers for advertisement: 3
```

```
Select a newspaper for advertisement:
1. Sandesh
2. Gujarat Samachar
3. Times of India
4. Divya Bhaskar
5. The Hindu
6. Other
Enter your choice: 2
Selected Newspapers for Advertisement:
1. Gujarat Samachar

Select an advertising option:
1. Newspaper and Magazine
2. TV
3. Radio
4. Social Media
5. Influencer Marketing
6. Billboards
7. Exit
Enter your choice: 7
Exiting advertisement options.
```

3. Machinery Repair:

- Users can report machinery issues and our company estimate repair budgets.
- The system suggests possible parts causing the problem based on the issue description.
- Users receive contact information for mechanical workers for further assistance.
- “repair_machinery”: This method guides the user through providing information about their machinery problem and calculates an approximate budget for repairing based on the problem description.

```
Select an option:
1. Advertisement for your business
2. Machinery & repairing
3. start a new business
4. Exit
Enter your choice: 2
Machinery & repairing section

Welcome to the machinery repair section.
Please give some information about your machinery problem.
Enter your company name: abc
Enter your company type: abc
Enter your city: rajkot
How long have you owned and operated this business(in year)? 5
Please enter the valuation of your company(in lacs): 50
Enter the type of machinery problem: xxxx
Describe the problem with your machinery: xxxx.....

Based on the problem description, it seems that the issue might be related to the xxxx
Here are some possible parts that could be causing the problem:
-Unknown

For further assistance, please contact a mechanical worker at:9812989870
Your Approximate budget for repairing: 5000.0 rupees
```

4. New Startup:

- Users can get business ideas for new startups or input their own business idea.
- They set business goals, calculate approximate budgets, select business locations, and also give advertising options.
- If users don't have land for the business, they can select a city in Gujarat and choose a suitable location.
- "info_Startup": This method is responsible for guiding the user through the process of setting up a new business. It includes options for providing a business idea, setting business goals, selecting a city in Gujarat for the business, calculating the total budget, and determining the timeline for starting the business. Additionally, it offers the option to advertise the business.

- "business_ideas": This method displays a list of ten business ideas that users can consider for their startup.
- "select_City_inGujarat": This method allows the user to select a city in Gujarat for starting the business. It displays a list of cities and their corresponding best places for business.
- "city_locations": This method displays the best places in a selected city for the user's business.

```
Select an option:
1. Advertisement for your business
2. Machinery & repairing
3. start a new business
4. Exit
Enter your choice: 3
start a new business section

Welcome to the New Business Startup!!!!
Do you have a any business idea for a new startup? (1 for yes, 0 for no): 0
Here are 10 business ideas you can consider:
1. Online Clothing Boutique
2. Fitness Coaching and Training
3. Mobile App Development
4. Healthy Meal Delivery Service
5. Digital Marketing Agency
6. Handmade Crafts and Artwork
7. Event Planning and Coordination
8. Home Cleaning and Organization
9. Pet Grooming and Daycare
10. Local Food Truck
Enter a choice :
1
What is the goal behind starting this business? xxxx
Approximate budget for this business(in lacs): 50
Do you have land for this business? (1 for yes, 0 for no): 0
```

Select a city in Gujarat to start your business:

1. Ahmedabad
2. Surat
3. Vadodara
4. Rajkot
5. Bhavnagar
6. Jamnagar
7. Junagadh
8. Gandhinagar
9. Anand
10. Bharuch

Enter the number corresponding to the city in Gujarat for your business: 1

Best places in Ahmedabad for your business:

1. SG Highway
2. Vastrapur
3. Manek Chowk
4. Thaltej
5. Prahlad Nagar

enter a final location name :SG Highway

Approximate total budget for starting the business: 65.0 lacs

Timeline to start the business: 10 months

Do you want to advertise this business? (1 for yes, 2 for no): 1

Welcome to the Advertisement Department.

Please provide information about your business.

Enter your company name: abc

Enter your company type: abc

Enter your city: rajkyo

What are your advertisement goals? xxx

How long have you been in business(in year)(if you start a new bussiness than enter zero)? 0

Please enter your company's valuation(in lacs)(if you start a new bussiness than enter zero): 0

```
Select an advertising option:
1. Newspaper and Magazine
2. TV
3. Radio
4. Social Media
5. Influencer Marketing
6. Billboards
7. Exit
Enter your choice: 2
Enter the number of TV channels for advertisement: 2
Enter TV channel 1: xxx
Enter TV channel 2: xxx
Selected TV Channels for Advertisement:
1. xxx
2. xxx

Select an advertising option:
1. Newspaper and Magazine
2. TV
3. Radio
4. Social Media
5. Influencer Marketing
6. Billboards
7. Exit
Enter your choice: 7
Exiting advertisement options.

Company Name: abc
Company Type: abc
City: rajkyo
Years in Operation: 0
Advertisement Goal: xxx
Company Valuation: 0.0
```

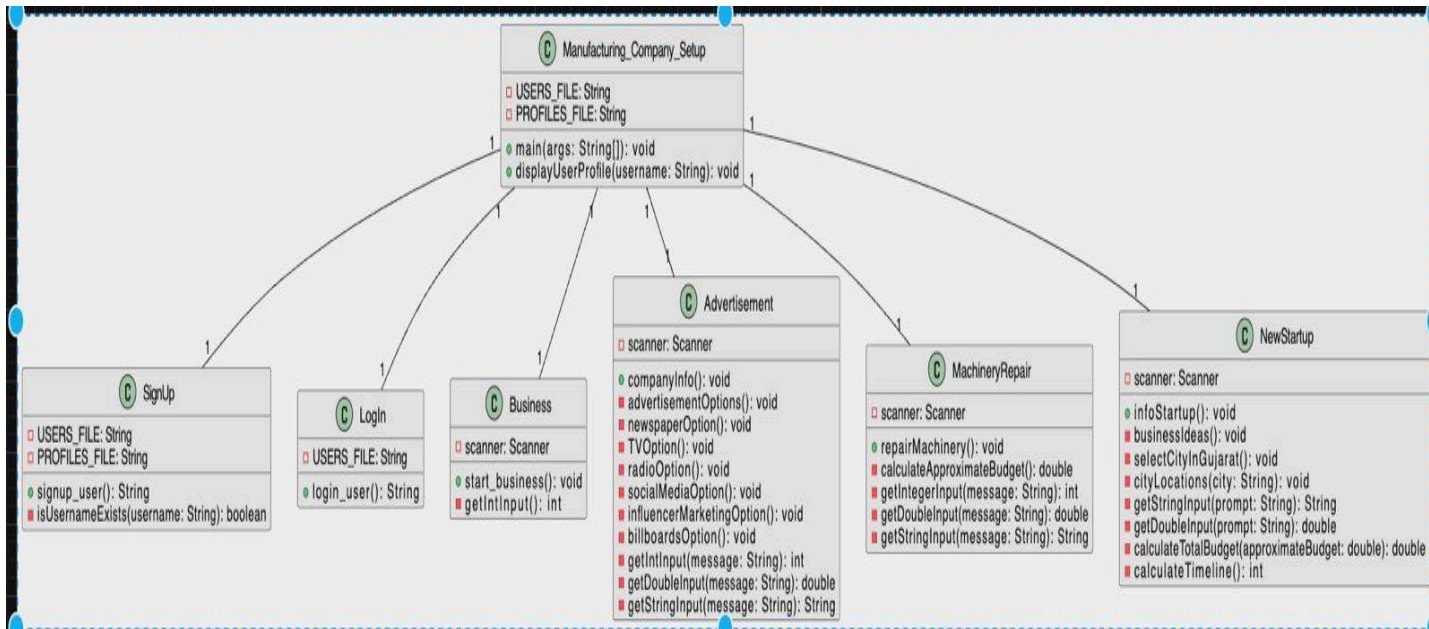
Implementation:

- File handling is used to store and retrieve user information.
- The application is implemented in Java, utilizing various classes and methods to manage different functionalities.
- Modularization of code into different classes ensures clear separation and easier maintenance.

Conclusion:

The Manufacturing Company Setup helps you start and manage your business smoothly. It provides tools for setting up your business, managing advertisements, and estimating machinery repair costs. This makes it easier for you to handle different aspects of your business and improves your overall experience.

Class Diagram:



Use-Case Diagram:

