

# Billie

## Mission 2121



# Once upon a time in the year 2121...

Humans finally met extraterrestrial civilizations. Spaceships are now able to travel to galaxies far away. Isaac Asimov can finally be proud of us.

THE DREAM CAME TRUE





## But what about Billie?

The past 100 years were extremely bright and successful.

Billie conquered Europe, America, Africa and the entire Earth.

We even have a Sales Team in Antarctica but they are not quite happy.

# Time for the next challenge

It turned out that the Martian B2B market looks pretty attractive.

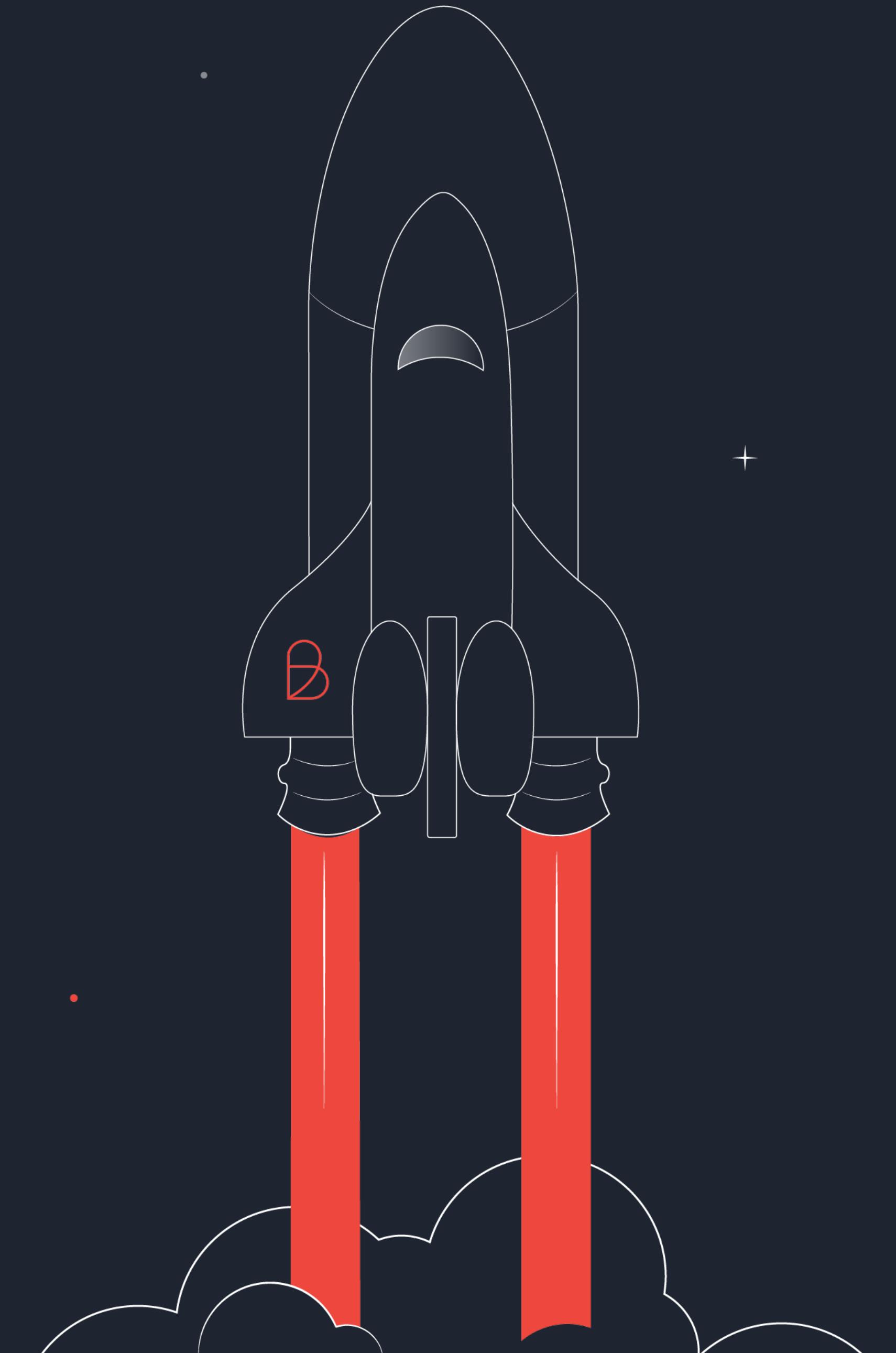
Martian entrepreneurs are hard workers. SMEs on Mars produce goods and provide services.

But... they need liquidity, insurance, and collections.

Same problems as on Earth. And it makes Mars a perfect destination for the next Billie's office.



**Now, let's get back to 2021**



**TASK - PART 1**

# Display a list of companies

Create a simple (React) SPA that displays a list of Martian customers of our service.

The list should display the following fields

- Company Name
- Date of a first purchase
- Total budget
- Budget spent
- Budget left

The budgets must be displayed in the german format, with 2 decimals.

You don't need to implement the fetching logic or any server; for the company data, feel free to use the following mock:

```
[{  
  id: 1,  
  name: "Martian Firma",  
  budget: 10000.0000,  
  budget_spent: 4500.0000,  
  date_of_first_purchase: "2119-07-07",  
}, {  
  id: 2,  
  name: "Solar Firma",  
  budget: 1123.2200,  
  budget_spent: 451.3754,  
  date_of_first_purchase: "2120-01-14",  
}, {  
  id: 42,  
  name: "Yellow Corp.",  
  budget: 1000000.0000,  
  budget_spent: 1000.0000,  
  date_of_first_purchase: "2121-12-24",  
}, ]
```



## TASK - PART 2

# Allow to edit the total budget

Clicking the company row should open a modal with the company's name and one input field:

- The field is pre-filled with the total budget for the that company;
- The user should be able to edit the value and submit;
- If the value is not valid, no submission should be possible;
- The new total budget for this company should be updated in the companies list.
- Write unit test descriptions for the modal component (implementation is a nice to have).

### Bonus:

- The new value should not be less than the budget spent;
- After successful submission of the new total budget, a success message should be displayed.
- Provide the actual implementation of the test cases previously defined.

### Notes:

- On the frontend side, all the numeric values must have two decimals, and be displayed in the german locale
- It is up to you to use create-react-app;
- It is possible to use redux
- It is up to you to use any CSS framework, or no framework at all



**Good luck on your mission  
and remember,  
Billie believes in you!**

