



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans[Get Started](#)[See how it works](#)

Modern Cloud MES Solution – Product and Engineering



Hiring Positions

3 Permanent Full-Time

Product and Engineering Team

Fully (100%) Remote or Hybrid

How does our modern Smart Manufacturing Platform help manufacturers collaborate?



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans

Get Started

See how it work

over to a multi-cloud environment and run some ML and AI on hundreds of millions of data points. Users then see real-time analytics on client applications - the web, mobile/tablet/watch apps, Alexa, Microsoft Teams, etc.

And we do all this with a latency of less than 100ms. That's less than the time it took you to read this text. Impressive, isn't it? Yeah, our customers love us too!

Below is the eco-system and the product suite that we offer. These are bespoke applications for each platform.



Workforce or Shift Lead



Process Control Manager



Production Manager



Manufacturing Site Manager





Platform ▾

Industries ▾

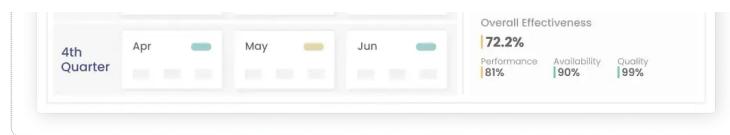
Solutions ▾

Resources ▾

SIRI

Enterprise
Plans[Get Started](#)[See how it work](#)

Quality Control Manager



General Manager

[Digital Collaboration in Modern Manufacturing](#)

Some Helpful links

Here are some helpful pages we want you to go through to understand the level of quality we put in our products. We expect you to be as close to it as you can!

Dashboard [Real-time Collaboration](#)

Reports [Manufacturing Reports and Insights](#)

Custom Data Driven Features [Shopfloor Dashboards](#)

Web Platform Engineering Team -

[Platform ▾](#)[Industries ▾](#)[Solutions ▾](#)[Resources ▾](#)[SIRI](#)[Enterprise
Plans](#)[Get Started](#)[See how it work](#)

This is an immediate start job. If you meet the criteria, we can bring you on-board in 24-48 hours.

Please understand what our startup does and the product we provide to our users. The best we can recommend is to browse through the website as there are tons of product screenshots. This will help you to observe the quality we expect from the senior Angular developers in our team.

Here is our hiring process.

1. Please complete the technical task mentioned. This is the only efficient way we like to ensure you have the skills we are looking for, and we can bring you on-board swiftly!
2. Within 24 hours of the task completion, we will interview you for the final round. This is just a discussion and a chance for you to ask any questions!
3. If all goes well, and we both want to work with each other, we will bring you on board in the next 24 hours.

Key Details

We want you to design the below dashboard. Take a breath before you think it's a big task. We have broken it down into small pieces and have provided details of each section.



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans

Get Started

See how it work

to fit in within our team well!

Source Credit We have taken reference from a random Dribbble and want to extend credit to its Author. Thank you!

<https://dribbble.com/shots/6267102-Software-Dashboard/attachments/6267102-Software-Dashboard?mode=media>

One this page

1. Details of the Dashboard

- 1.1 Overview of the Dashboard
- 1.2 Left Navigation of Dashboard
- 1.3 Top Navigation of Dashboard
- 1.4 Top Data Cards of Dashboard
- 1.5 Right Side - New Users Section
- 1.6 Left Side - Recent Orders Grid
- 1.7 Bottom Graphs and Cards

2. Basic Guidelines

3. Styling Guidelines

4. API Integration Guidelines

5. Project Structure Guidelines



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans

Get Started

See how it work

8. How to Submit the task

1.1 Overview of the Dashboard

Here is the dashboard that we want you to design. Below are steps by steps instructions. Design this in a 1920x1080 resolution. We don't want you to make it responsive if you don't want to do it.

Below we have explained each component/area of the task. There are Red Sticky Notes with more details. Feel free to open the images in a new tab if you find the text is unreadable on this page.

Make separate components and invoke them on the main dashboard.

API Endpoint with JSON Response

There is only one API with three objects in it. You can choose to create one service or three separate (preferred) and use the relevant key property. Please create a service to call the API. Do not copy paste the JSON in your project. The API doesn't require any authentication.

Please create a service to call the API. Do not copy paste the JSON in your project. The API doesn't require any authentication.

API Endpoint (GET) to retrieve JSON response: api.fy23ey05.careers.ifelsecloud.com

[Platform](#) [Industries](#) [Solutions](#) [Resources](#) [SIRI](#) [Enterprise Plans](#) [Get Started](#) [See how it works](#)

Search

30% 

Saving for car loan
Lorem ipsum is simply dummy...

40% 

Saving for home loan
Lorem ipsum is simply dummy...

25% 

Saving for personal loan
Lorem ipsum is simply dummy...

05% 

Saving for study loan
Lorem ipsum is simply dummy...

Recent Order

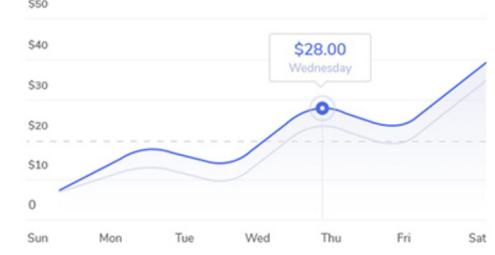
#	Customer	Products	Delivery Date	Status	Tracking No#	Shipping
01	Casey Fleming	Iphone	13 Sep, 2017	Paid	#34D5648	Yes 
02	Kenneth Cook	Google Watch	10 Apr, 2017	Pending	#34D5648	No 
03	Paulette Martin	Clothes	08 Feb, 2017	Failed	#34D5648	No 
04	Micheal Bush	Imac Air	12 Mar, 2017	Paid	#34D5648	No 
05	Roy Pittman	Sunglass	26 Mar, 2017	Failed	#34D5648	Yes 
06	Vanessa Dennis	Furniture	22 Jan, 2017	Pending	#34D5648	Yes 
07	Hazel Brady	Shoes	10 Jan, 2017	Pending	#34D5648	No 
08	Elijah Schmidt	Bags	02 Jan, 2017	Paid	#34D5648	Yes 

New User Registrations

 Peter Carter	United states	 85%	More
 Lynda Bass	Europe	 45%	More
 Cory Ford	Asia	 30%	More
 Micheal Bush	Australia	 40%	More
 Hazel Brady	Australia	 20%	More

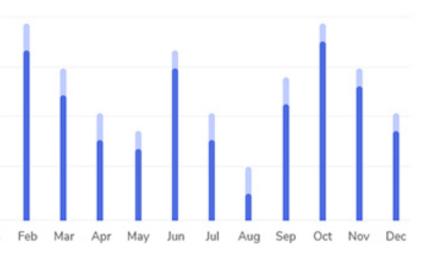
Sales Statistics

All Days 

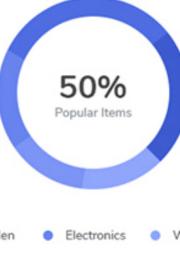


Balance Overview

Income  Borrow 



Top Products



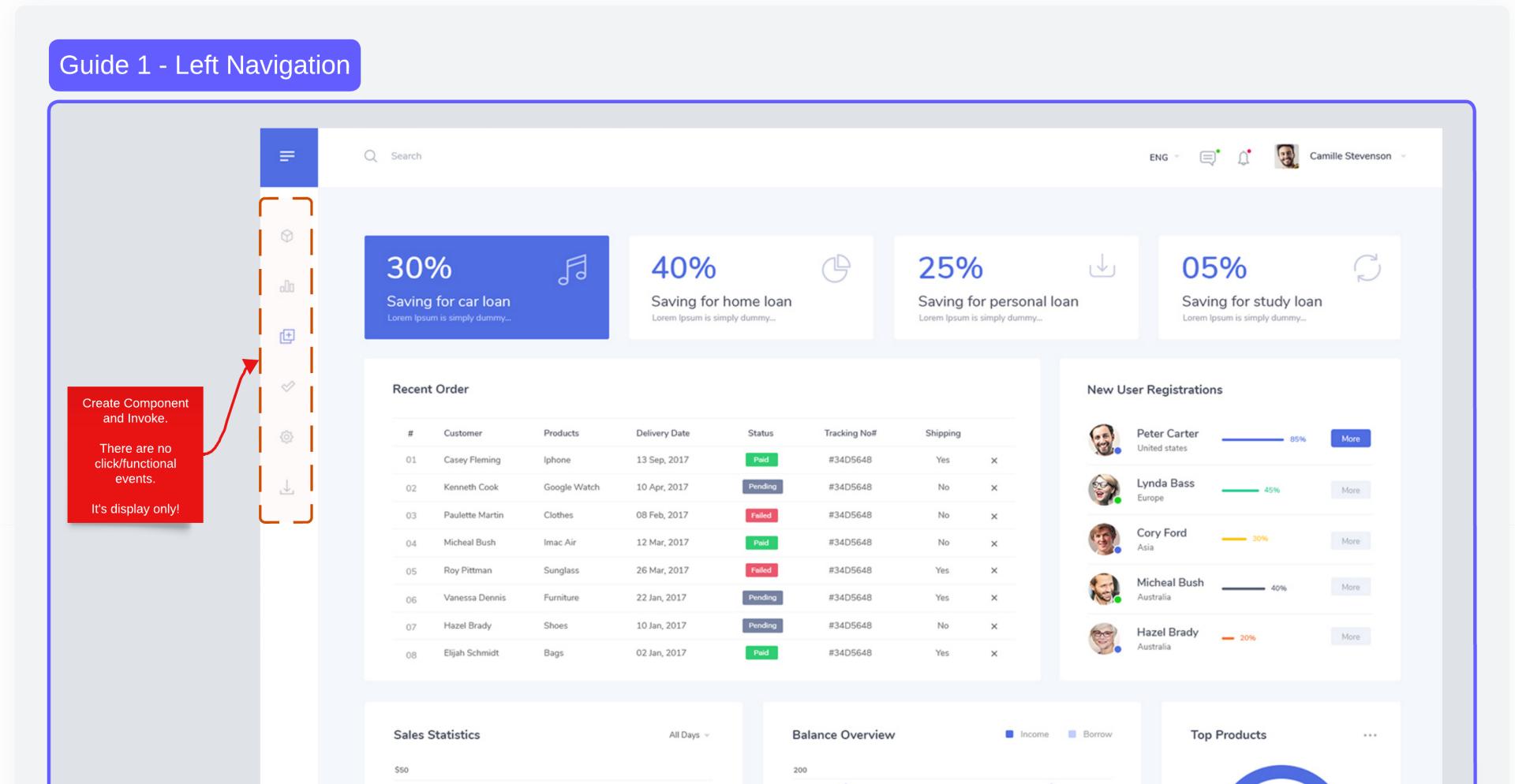
7 of 26

05/11/23, 19:04

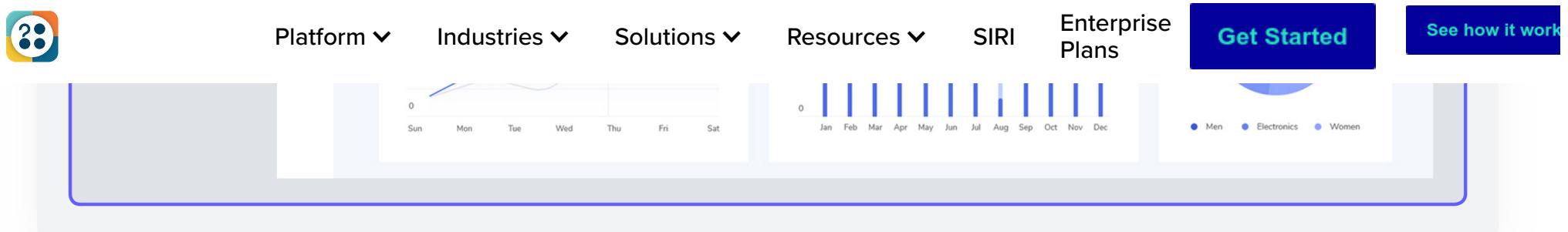
1.2 Left Navigation of Dashboard

The left navigation should be full height to the page. Only the right side container scrolls up and down. The menu icons on the navigation bar has no functionality. There are no routes/navigation required.

Guide 1 - Left Navigation



A screenshot of a modern dashboard interface. On the far left, there is a vertical sidebar with a red border and rounded corners. Inside this sidebar, there are several small, light-blue square icons with white symbols, such as a gear, a plus sign, a checkmark, and a downward arrow. A red callout box with a black border and white text is positioned over these icons. The text in the callout reads: "Create Component and Invoke. There are no click/functional events. It's display only!" A red curved arrow points from the top of the callout down towards the icons. The main content area of the dashboard is divided into several sections: 1) Four blue cards at the top showing progress percentages (30%, 40%, 25%, 50%) for different types of savings goals. 2) A "Recent Order" table listing 8 orders with columns for #, Customer, Products, Delivery Date, Status, Tracking No#, and Shipping. 3) A "New User Registrations" section showing 6 user profiles with their names, locations, and progress bars. 4) Three smaller cards at the bottom: "Sales Statistics" (showing \$50), "Balance Overview" (showing a blue bar chart with a value of 200), and "Top Products" (showing a blue curved bar chart). The top right corner of the dashboard shows the user's name, Camille Stevenson, and some notification icons.

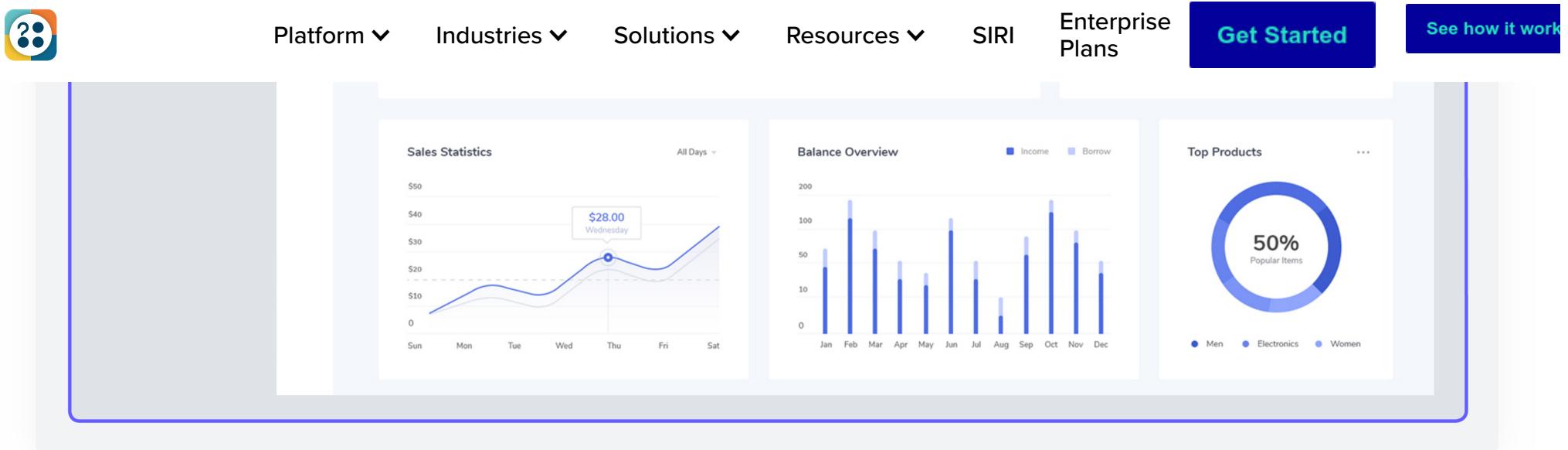


1.3 Top Navigation of Dashboard

The top navigation should be full width to the page. When you scroll, it stay on the top. The menu icons on the navigation bar has no functionality. There are no routes/navigation required.

Guide 2 - Top Navigation

A screenshot of a dashboard interface. On the far left, there is a vertical sidebar with several icons: a gear, a checkmark, a plus sign, a downward arrow, a magnifying glass, a bar chart, a cube, and a list icon. A red callout box with the text "Create Component and Invoke. There are no click/functional events. It's display only!" points to the first icon (gear). Above the sidebar is a top navigation bar with a search bar, language selection (ENG), notifications, and user profile (Camille Stevenson). Below the top navigation, there are four cards showing progress percentages for different savings goals: "Saving for car loan" (30%), "Saving for home loan" (40%), "Saving for personal loan" (25%), and "Saving for study loan" (05%). Further down, there are sections for "Recent Order" (listing four orders with details like Customer Name, Product, Delivery Date, Status, Tracking No#, and Shipping) and "New User Registrations" (listing three users with their names, locations, and progress bars).



1.4 Top Data Cards of Dashboard

These are the main elements that we want you to pay attention. We need to create them using basic HTML elements like DIV etc. You can use Font Awesome icons.

Call the API to receive the JSON data for the cards.

API Details: Use the **top_cards** key property from the JSON Response.

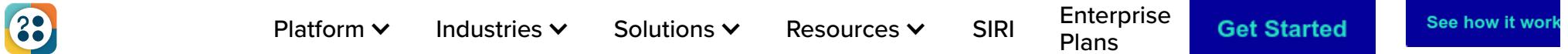
Guide 3 - Top Cards

The screenshot shows a header with a search bar labeled "Search" and a user profile section for "Camille Stevenson". The user profile includes a photo, a language dropdown set to "ENG", and notification icons for messages and alerts.

The screenshot displays a modern MES software interface with a top navigation bar featuring links for Platform, Industries, Solutions, Resources, SIRI, Enterprise Plans, Get Started, and See how it work. A red callout box on the left side contains the text "Bind API (Read Details below)" and "Create Component and Invoke." Below the navigation is a "Recent Order" table listing 8 recent orders with columns for #, Customer, Products, Delivery Date, Status, Tracking No#, and Shipping. To the right are three cards: "New User Registrations" showing a list of users with profile pictures and progress bars, "Sales Statistics" showing a line chart of sales over a week, and "Balance Overview" showing a bar chart of income and borrow amounts by month. A large blue button on the far right is labeled "Get Started".

1.5 Right Side - New Users Section

You can create the grid and the progress bars using plain HTML and CSS. There is no need to use a library if you don't want to. Also, set a maximum height and make it scrollable after 4-5 elements. Up to you!



Guide 4 - New User Section

The screenshot shows a dashboard with several sections:

- Recent Order:** A table listing 8 recent orders with columns for #, Customer, Products, Delivery Date, Status, Tracking No#, and Shipping.
- Sales Statistics:** A line chart showing sales over a week, with a tooltip for Thursday showing \$28.00.
- Balance Overview:** A bar chart showing monthly income and borrow amounts.
- Top Products:** A donut chart showing 50% for Popular Items across Men, Electronics, and Women categories.
- New User Registrations:** A section highlighted by a red dashed box and containing a list of users with their status (e.g., United States, Europe, Asia, Australia) and progress bars.

A red callout box on the right side of the 'New User Registrations' section contains the text:

Bind API (Read Details below)
Create Component and Invoke.



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans

Get Started

See how it work

1.0 LANDING - RECENT ORDERS GRID

You can create the grid and the tags using plain HTML and CSS. There is no need to use a library if you don't want to. Also, set a maximum height and make it scrollable after 4-5 elements. Up to you!

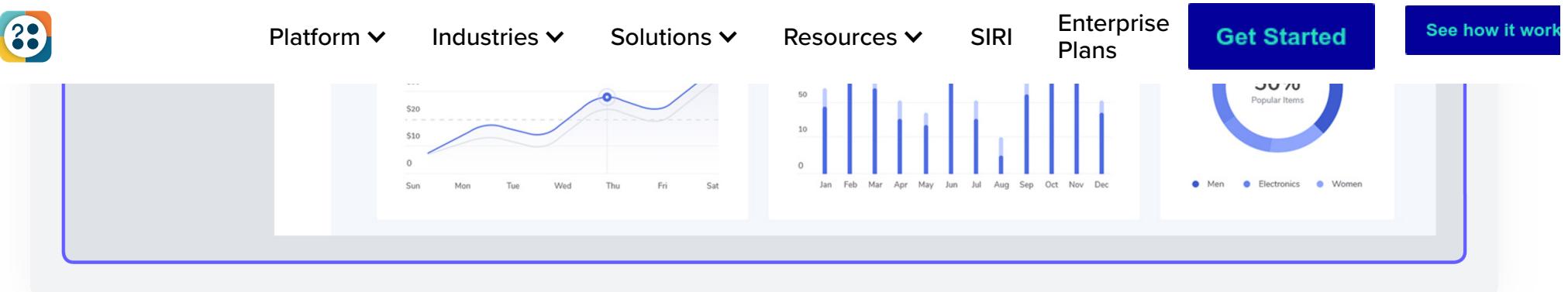
When you click on the cross icon on the right, open a popup and display the name of the customer and the product of that row.

API Details: Use the **recent_orders** key property from the JSON Response.

Guide 5 - Recent Order

The screenshot displays a user interface for managing recent orders and loan progress. On the left, there's a sidebar with various icons for navigation. The main content area features a grid of four cards showing loan progress: "Saving for car loan" at 30% (blue background), "Saving for home loan" at 40% (white background), "Saving for personal loan" at 25% (light blue background), and "Saving for study loan" at 05% (light gray background). Below these cards is a section titled "Recent Order" containing a table with 8 rows of order details. To the right of the table is a "New User Registrations" section listing six users with their status and location. A red dashed box highlights the "Recent Order" table, and a red arrow points from a callout box to the top-left corner of this box. The callout box contains the text "Bind API (Read Details below)" and "Create Component and Invoke".

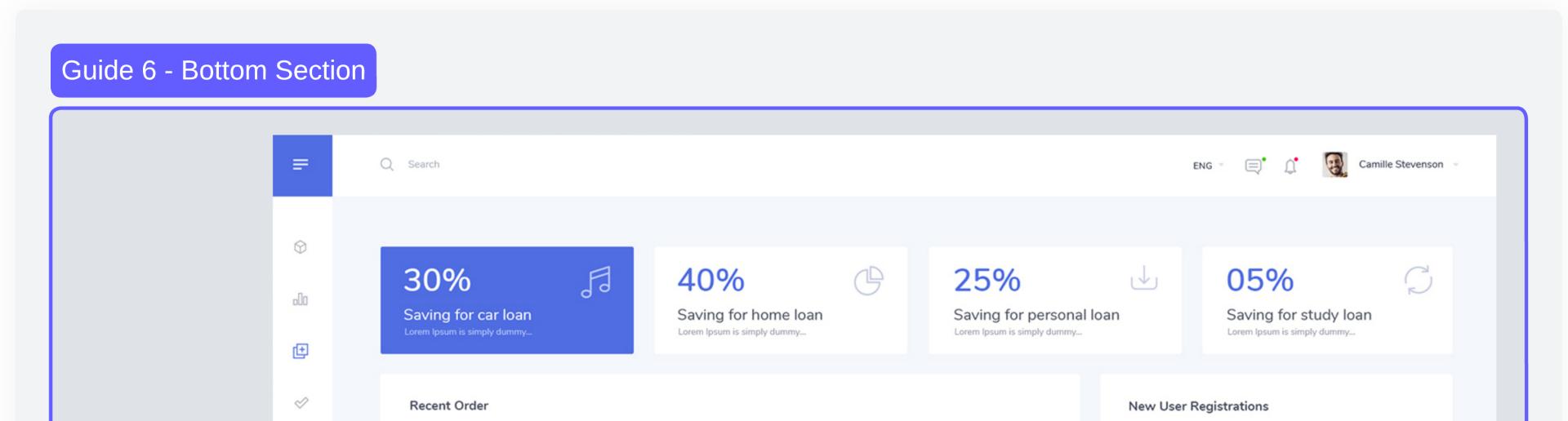
#	Customer	Products	Delivery Date	Status	Tracking No#	Shipping	X
01	Casey Fleming	Iphone	13 Sep, 2017	Paid	#34D5648	Yes	X
02	Kenneth Cook	Google Watch	10 Apr, 2017	Pending	#34D5648	No	X
03	Paulette Martin	Clothes	08 Feb, 2017	Failed	#34D5648	No	X
04	Micheal Bush	Imac Air	12 Mar, 2017	Paid	#34D5648	No	X
05	Roy Pittman	Sunglass	26 Mar, 2017	Failed	#34D5648	Yes	X
06	Vanessa Dennis	Furniture	22 Jan, 2017	Pending	#34D5648	Yes	X
07	Hazel Brady	Shoes	10 Jan, 2017	Pending	#34D5648	No	X
08	Elijah Schmidt	Bags	02 Jan, 2017	Paid	#34D5648	Yes	X



1.7 Bottom Graphs and Cards

Use static data for these cards. There is no API for this. You can use any charts libraries. Please read the FAQ for some suggestions.

Try to keep the colors as similar as you can. If you can't put the gradient, do worry. But if you want to show off, great! We put gradient in our platform to make the Area-fill graphs stand out.



The screenshot shows a modern web-based MES software interface. At the top, there's a navigation bar with links for Platform, Industries, Solutions, Resources, SIRI, Enterprise Plans, Get Started, and See how it works. Below the navigation is a table with 8 rows of data:

	03	Paulette Martin	Clothes	08 Feb, 2017	Failed	#34D5648	No	X
04	Micheal Bush	Imac Air	Sunglass	12 Mar, 2017	Paid	#34D5648	No	X
05	Roy Pittman	Furniture	Shoes	26 Mar, 2017	Failed	#34D5648	Yes	X
06	Vanessa Dennis	Bags		22 Jan, 2017	Pending	#34D5648	Yes	X
07	Hazel Brady			10 Jan, 2017	Pending	#34D5648	No	X
08	Elijah Schmidt			02 Jan, 2017	Paid	#34D5648	Yes	X

Below the table are three main dashboard sections: Sales Statistics (line chart), Balance Overview (bar chart), and Top Products (donut chart). Two red callout boxes on the left side provide specific instructions:

- Use any Graph Libraries you like.
- Put static values. No API.

Basic Guidelines

1. Please use your favorite IDE.
2. Please create the project from scratch using CLI, and build on top of it. Don't start with a template/theme and go backward cleaning it.
3. TypeScript Only. Please NO vanilla JavaScript.



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans

Get Started

See how it work

Styling Guidelines

1. Most UI elements in the design are repeatable. So, we encourage you to create components and show that you are not an HTML designer but know Angular and why we use it.
2. Write your styles in SCSS. Try to reuse color variables and not hard-coding them everywhere.
3. The one (if not the only) to create a beautiful UI is to ensure that elements have the same properties as shown in the design. For example, ensure the color codes are the same, font-family, size and weight are the same. The font colors at #000000 don't always look good, so ensure you pick up the right amount of grey color from the designs.
4. We heavily recommend using Flex in your styles. And we want you to take the call on when to use Flex or Grid.
5. For graphs in the UI, you can use any graph library you are comfortable with. The left graph is Area Fill graph and the right is donut Chart. Here are some suggestions of the chart libraries you can use: Fusioncharts, Charts.js, Apexcharts.
6. For icons, use Fontawesome. If you can't find an icon, use anything you like. You don't have to use the exact icon.
7. Use the nearest color you find fit. Or use any color picker.

API Integration Guidelines

1. You don't need to bind the entire UI with API. There is only one specific section where API integration is required. We just want to see if you know how to integrate the APIs.



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans[Get Started](#)[See how it works](#)

4. API endpoint doesn't have any authentication. If you face any difficulties accessing the APIs, please copy the content to a local JSON and make an API call to it.

API Endpoint (GET) to retrieve JSON response: api.fy23ey05.careers.ifelsecloud.com

Project Structure Guidelines

1. Keep HTML elements in the template.
2. Keep styles in the SCSS files.
3. Keep backend logic in the TypeScript.
4. This will help you keep your code clean and comprehensible.
5. Don't return HTML from TypeScript and put CSS in the HTML file. This will make your code much harder to read. There are some exceptions to this though.
6. When you need to apply conditional styling, you can do them from TypeScript or by Ng conditions in the HTML. However, we would still recommend creating classes and applying/removing them and not changing style properties on an ad-hoc basis.

Don't print yourself a NO card by doing silly things like -



Platform ▾

Industries ▾

Solutions ▾

Resources ▾

SIRI

Enterprise
Plans

Get Started

See how it work

3. Unformatted HTML template.
4. Poorly written method names, like test1(), test2(), newTest(), newTestForSure()

FAQ

1. **Can I use Bootstrap/Tailwind?** Yes, you can. We don't use it though and prefer using either [FlexBox](#) or plain Flex in the SCSS.
2. **Can I use Material UI?** Yes, you can. We don't use it either though. We create in-house components and if you do so, you have better chances to the next round.
3. **Which graph library should I use?** Any. [Highcharts](#), [ApexCharts](#) etc.

How to submit the task?

1. Take screenshot of the output from your browser.
2. Commit your code and the screenshot to a git repository and make it public.
3. Open the Github link in the Incognito mode to ensure it's public. If we can't access it, we won't be able to review it.
4. Send us the link to review.

[Platform ▾](#)[Industries ▾](#)[Solutions ▾](#)[Resources ▾](#)[SIRI](#)[Enterprise
Plans](#)[Get Started](#)[See how it works](#)

We get many responses where we can see the efforts but the required output is nowhere close to requirements. We provide the extensive details to see if you can follow guidelines when you work with our team. We feel this provides every applicant an equal opportunity to demonstrate their skills.

So if you are a junior, who has the skills we need, we would love to work with you and bring you to our team. However, more than anything, our product is designed with very high standards to provide an amazing experience to our users. That's one of our key strengths. You can check our product on the website. And this is something we want to keep doing and we look forward to see the quality in your work!

Before you submit the task, put your screenshot next to the task screenshots and compare. If you think it's missing out on something, we encourage you to fix it. Otherwise we unfortunately end up rejecting the application because we can't see your skills we need. We will try to provide the feedback to each candidate though.

Good Luck!

We hope to work together and make manufacturing industries driven by ML and AI and not through papers or Excel sheets.