


# UI Prototyping

# Use Case 1, UC1 – Create User Account

# Signup Page 1

The image shows a smartphone screen with a yellow background. At the top, there's a header with 'Welcome' in black and 'EzGas' in a green dashed box with a registered trademark symbol. Below this, the text 'Create an account' is centered. The form consists of several fields: 'Insert an email address:' with a text input containing 'name@example.com'; 'Insert full name:' with a text input containing 'Mario Rossi'; 'Select an account type:' with a dropdown menu showing 'Owner' and 'User' options; 'Choose a secure password:' with a text input containing the placeholder 'At least one capital letter and one number'; and 'Repeat the secure password:' with an empty text input. At the bottom of the form is a brown button labeled 'Sign Me Up'. The phone's status bar at the top shows signal strength, Wi-Fi, and the time '12:09'.

# Signup Page 2



user@example.com

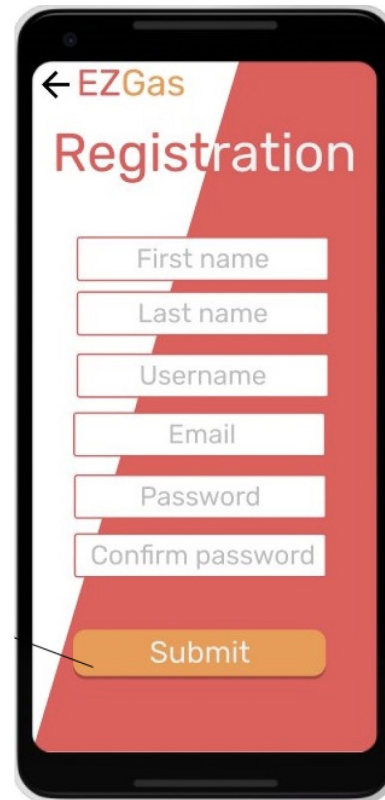
password

repeat password

SIGN UP

BACK

# Signup Page 3



A smartphone screen displaying the EZGas Registration page. The page has a red background with a white diagonal stripe. At the top, there is a back arrow and the text "EZGas". Below this is the title "Registration" in a large, bold, red font. The form consists of six white input fields stacked vertically, each with a label: "First name", "Last name", "Username", "Email", "Password", and "Confirm password". At the bottom of the form is a yellow "Submit" button. A thin black line points from the bottom left of the phone frame to the "Submit" button.

# Signup Page 4



The image shows a mobile application interface for creating a new account. The app is titled "EZgas". The form includes fields for Name, Surname, New Password (twice), Confirm Password, and a Role dropdown menu. There is a checkbox for "I Agree" and a "Create" button. The bottom navigation bar has icons for Search, Profile, Favourite, and More.

**EZgas**

**New Account**

Name

Surname

New Password

New Password

Confirm Password


Role

☐ I Agree

Create

Search Profile Favourite More

# Signup Page 5



**REGISTER**

EMAIL

NAME

SURNAME

PASSWORD

Now vote!

[https://www.menti.com/](https://www.menti.com/16215486)  
1621 5486



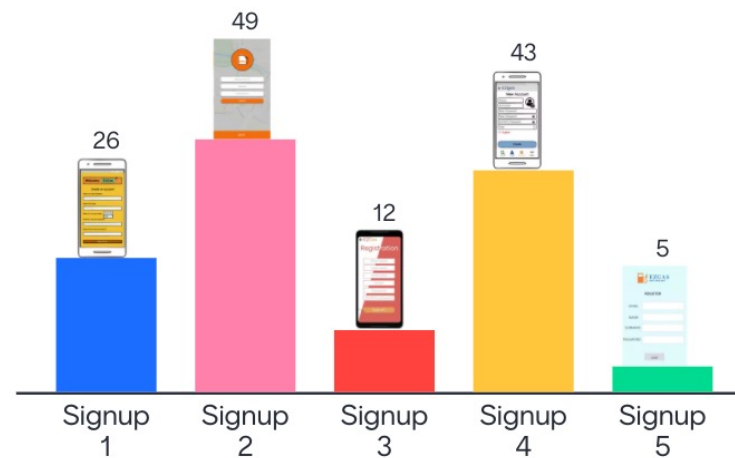
# Let's have a look to the Use Case 1 Definition

## Use case 1, UC1 - Create User Account

Actors Involved	User
Precondition	Account U does not exist
Post condition	Account U added in the system
	U.trust_level = 0
Nominal Scenario	New user creates a new account U and populates its fields.
Variants	A user can create only one account, this is checked through the email (one email, one account at most). Administrator can create many

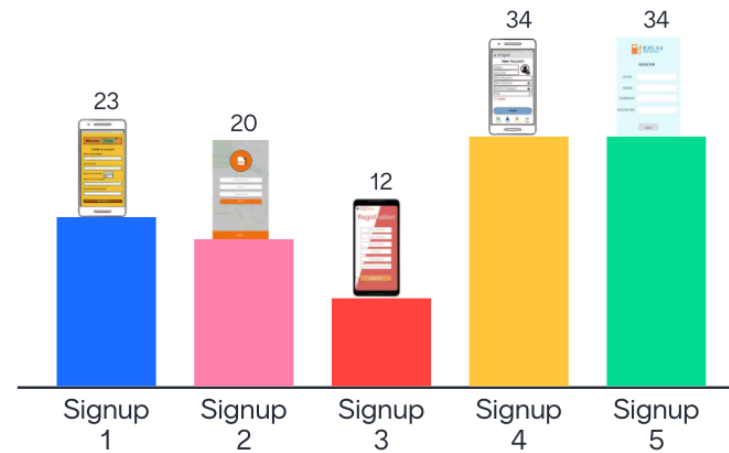
# Your votes – Best Signup

What is the best UI prototype for the signup scenario in your opinion?



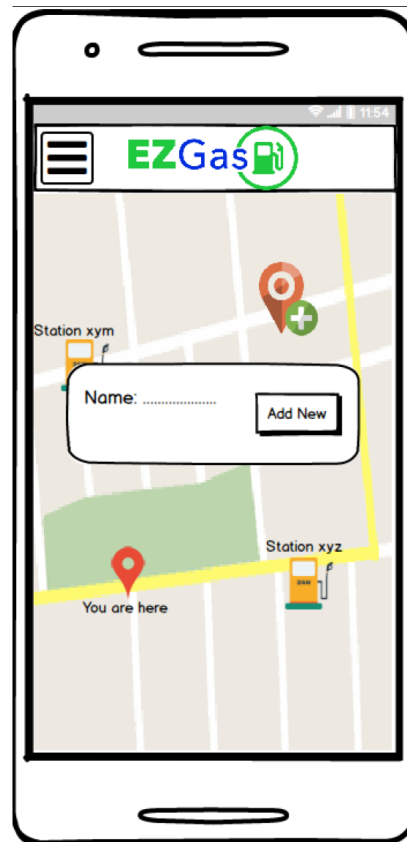
# Your votes – Worst Signup

What is the worst UI prototype for the signup scenario in your opinion?



# Use Case 4, UC4 – Create Gas Station

# Create New Gas Station 1



# Create New Gas Station 2

**YOUR STATION**

NAME

OPEN HOUR

ADDRESS

**Price of fuels**

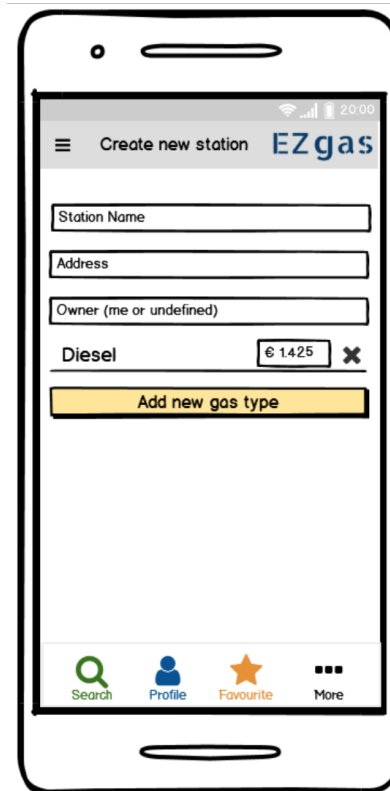
GAS A	PRICE
GAS B	PRICE
GAS C	PRICE
Electric A	PRICE

+

**Promotions**

**Special service**

# Create New Gas Station 3



The image shows a mobile application interface for creating a new gas station. The screen is titled "Create new station" with the "EZgas" logo. It features several input fields: "Station Name", "Address", and "Owner (me or undefined)". Below these is a "Diesel" label and a price input field showing "€ 1.425" with a clear button. A yellow button labeled "Add new gas type" is positioned below the price field. At the bottom, there is a navigation bar with icons for "Search", "Profile", "Favourite", and "More".

# Create New Gas Station 4

Marco Bianchi

FILTER

Fuel type

GASOLINE DIESEL LPG CNG ELETTRICITY

Price

1.019 < 1.319

Distance

200 m 1 KM 100 KM

☒ Only verified prices

APPLY

+ ADD GAS STATION

LOGOUT



Now vote!

[https://www.menti.com/](https://www.menti.com/32998416)  
3299 8416

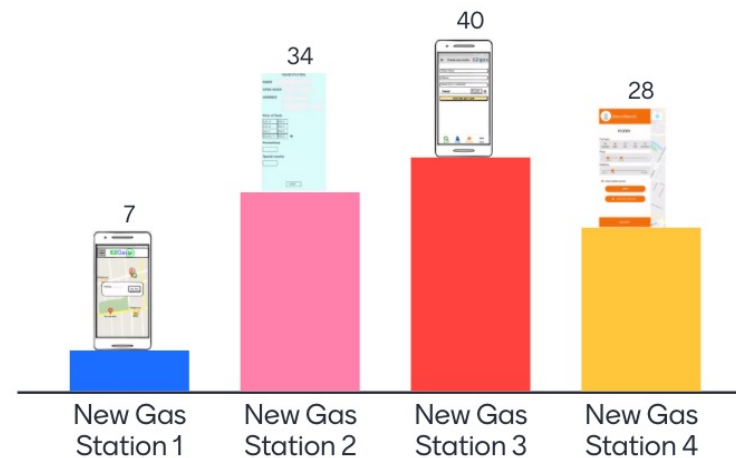
# Let's have a look to the Use Case 4 Definition

## Use case 4, UC4 - Create Gas Station

Actors Involved	Administrator
Precondition	Gas Station G does not exist
Post condition	Gas Station G is created
Nominal Scenario	The administrator of the system creates a new gas station G in the system; the administrator enters all fields of a gas station ; the application assigns a unique ID to the gas station

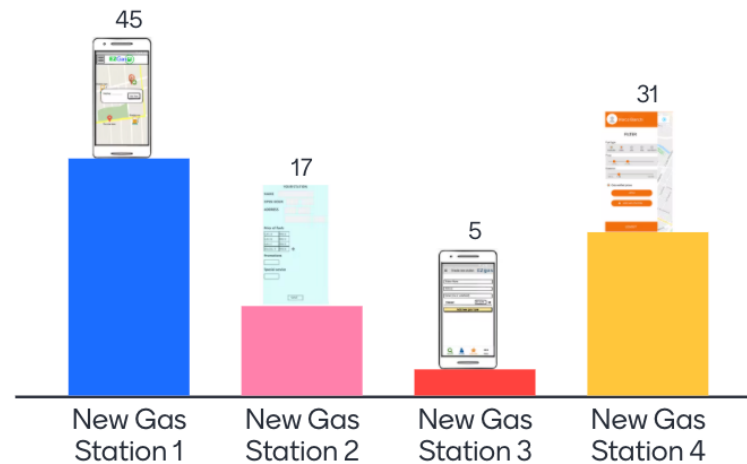
# Your votes – Best New Gas Station

What is the best UI prototype for creating a new gas station?



# Your votes – Worst New Gas Station

What is the worst UI prototype for creating a new gas station?



## Use Case 7, UC7 – Report Fuel Price for a Gas Station

# Report Fuel Price for a Gas Station 1

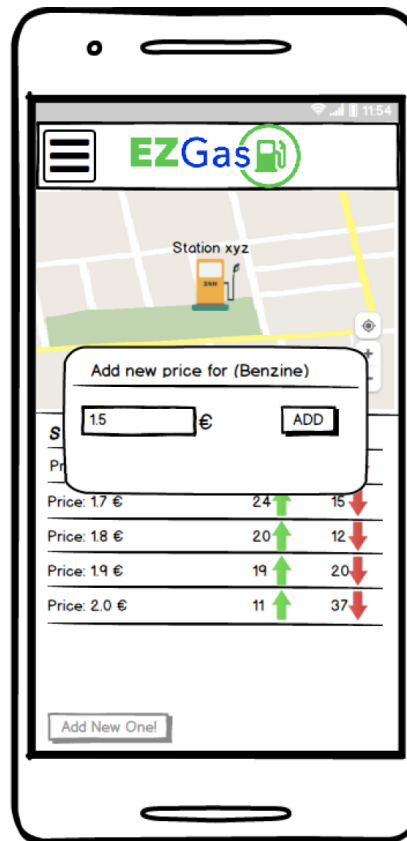
The screenshot shows a mobile application interface for reporting fuel prices. At the top, the station name "ESSO" is displayed with a dropdown arrow to its left. Below this is a red button labeled "SEND REPORT". A section for location data includes fields for "LATITUDE" (45.07158094), "LONGITUDE" (7.65335083), and "ADDRESS" (VIA LIVORNO, 12, 10144 TORINO TO), each with an edit icon. Below the location section, there are three fuel type entries: "DIESEL" with a price of 1.65 €/L, "GASOLINE" with a price of 1,757€/L, and "ELECLECTRIC" with a price of 0,45€/KWH. Each entry has a "SEND REPORT" button. At the bottom of the form is an "ADD FUEL" button. A virtual keyboard is visible at the bottom of the screen.

Fuel Type	Price	Unit
DIESEL	1.65	€/L
GASOLINE	1,757	€/L
ELECLECTRIC	0,45	€/KWH

# Report Fuel Price for a Gas Station 2

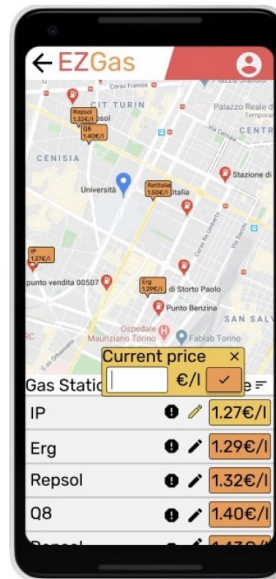
The image shows a smartphone screen with a mobile application interface. At the top, the status bar shows signal strength, Wi-Fi, and the time 12:09. The app's header is a brown bar with a hamburger menu icon, the text 'Gas station1', and a vertical ellipsis icon. Below the header, the app displays information for 'Gas station1': 'Distance: 7km', 'GPL: 1.58 €', and 'Gasoline: 1.45€'. There are also icons for a heart, a target, a star rating (4 stars), and a star icon. A modal dialog box is open in the center, titled 'Signal a new price' with a close button (X). The dialog contains the following fields: 'Gas station:' with the value 'Gas station 3', 'Type of feul:' with a dropdown menu showing 'GPL', 'Pric 1.58', and 'Signal the real price:' with a text input field containing '1,64' and a Euro symbol. A 'Send' button is at the bottom of the dialog. Below the dialog, there is a user profile section for 'Bob' with a 5-star rating and a comment: 'Nice service, personal is kind Yesterday ad 19.11'. At the bottom of the screen, there are two buttons: 'Comment' and 'Leave feedback'.

# Report Fuel Price for a Gas Station 3






# Report Fuel Price for a Gas Station 4



# Report Fuel Price for a Gas Station 5



The image shows a mobile application interface for reporting fuel prices. The app is titled "EZgas" and the screen is labeled "G.S. Details". It features a form with the following fields:

- Station Name:** A text input field with a green checkmark icon to its right.
- Image:** A placeholder image of a gas station with a camera icon in the bottom right corner.
- Address:** A text input field.
- Owner (not modifiable):** A text input field.
- Gas Prices:** A section containing three rows of fuel types and their prices, each with a delete icon (X) to its right:
  - Diesel: € 1.371
  - Blue Diesel: € 1.524
  - Benzina Senza Pb: € 1.559
- Add new gas type:** A yellow button.
- Submit changes:** A green button.

Now vote!

[https://www.menti.com/](https://www.menti.com/65526480)  
6552 6480

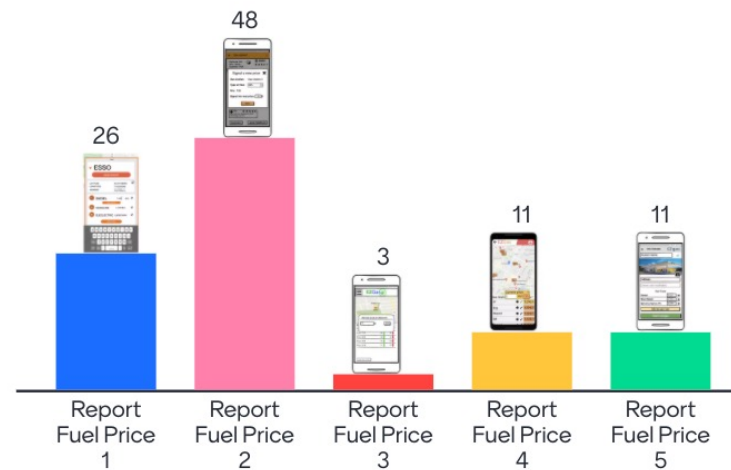
# Let's have a look to the Use Case 7 Definition

## Use case 7, UC7 - Report fuel price for a gas station

Actors Involved	User
Precondition	Gas station G exists
	User U is registered in the system
	G has no attached price list
Post condition	Price list P is created
	P.time_tag is set to the current timestamp of the system
	P is attached to G
	U is attached to P (needed later to update trust level of U)
Nominal Scenario	The user U selects a gas station G for which he/she wants to insert a price report; no price list is attached to G; the system prompts the user with the list of possible fuels provided by the gas station; the user inserts the prices for the fuels; the price list is attached to G
Variants	a price list is already attached to G, previously inserted by U2, U.trust_level >= U2.trust_level, the previous price list is overwritten
	a price list is already attached to G, previously inserted by U2, U.trust_level < U2.trust_level, the previous price list is overwritten only if (today - P.time_tag ) > 4 days

# Your votes – Best New Gas Price Report

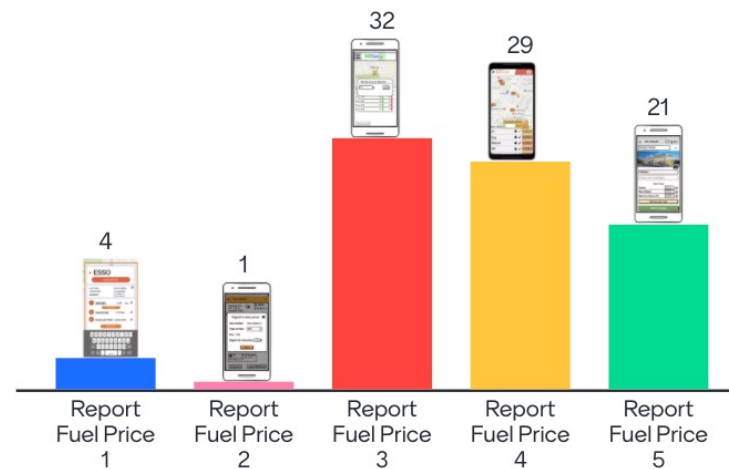
What is the best UI prototype for reporting fuel price for a gas station?



# Your votes – Worst New Gas Price Report

What is the worst UI prototype for reporting fuel price for a gas station?

Mentimeter



87

# High Fidelity Prototyping with Figma

- You can also use Figma to provide your UI prototypes
- You can apply for and educational license here:  
<https://www.figma.com/education/apply>
- Not mandatory

# Examples with Figma

