



**POLITECNICO**  
**MILANO 1863**

# Implementation Specification

Hypermedia Applications Project  
A.Y. 2022/2023



19/06/2023

<https://apex-venture-ecru.vercel.app/>

[Github Repository](#)

**TheSuisiteSquad**

Vincenzo Curreri (10624628) vincenzo.curreri@mail.polimi.it

Fabio Chini (10669966) fabio.chini@mail.polimi.it

Giovanni Caleffi (10665233) giovanni.caleffi@mail.polimi.it

Simone Coluccio (10633129) simone.coluccio@mail.polimi.it

**Abstract****Contents**

<b>1</b>	<b>Introduction</b>	<b>2</b>
1.1	Work Breakdown . . . . .	2
1.2	Infrastructure and Rendering Approach . . . . .	2
1.3	Responsiveness . . . . .	2
<b>2</b>	<b>Structure of the Project</b>	<b>3</b>
2.1	Pages Folder . . . . .	3
2.2	Server Endpoint . . . . .	4
<b>3</b>	<b>Components</b>	<b>5</b>
3.1	AnimatedCharts . . . . .	5
3.2	ApexButton . . . . .	6
3.3	ApexFooter . . . . .	7
3.4	ApexHeader . . . . .	8
3.5	AreaPreview . . . . .	10
3.6	BackgroundCircle . . . . .	11
3.7	Banner . . . . .	12
3.8	BannerHome . . . . .	13
3.9	BottomNavigator . . . . .	14
3.10	DataGrid . . . . .	15
3.11	GroupDataCard . . . . .	16
3.12	OurTeamElement . . . . .	17
3.13	PictureTitledCard . . . . .	18
3.14	ProjectLogo . . . . .	19
3.15	ProjectPreview . . . . .	20
3.16	SingleDataCard . . . . .	21
3.17	TitledCard . . . . .	22
3.18	TouchAreaPreview . . . . .	23
3.19	WhiteBox . . . . .	24
<b>4</b>	<b>Extra Modules</b>	<b>25</b>
4.1	Supabase . . . . .	25
4.2	Nuxt Image . . . . .	25
4.3	Tailwind . . . . .	25
<b>5</b>	<b>Extra Functionalities</b>	<b>26</b>
5.1	Projects Filter . . . . .	26
<b>6</b>	<b>Ensuring Accessibility and SEO Compliance</b>	<b>27</b>

## 1 Introduction

The project aims to develop a well-made website for a Venture Capital, called Apex Venture, showing the company team, the investment strategy, all the successful start-up projects helped during the years, and the sectors and technologies in which Apex Venture had a significant impact since its beginning.

### 1.1 Work Breakdown

Each member of the team contributed significantly to the successful execution of the project. Our collective efforts involved regular collaboration, to seek feedback and expedite the progress. Therefore, the number of GitHub commits does not accurately reflect an individual team member's level of contribution.

Member	Front end	Back end	Documentation
Vincenzo Curreri	40%	30%	30%
Simone Coluccio	50%	30%	20%
Giovanni Caleffi	40%	20%	40%
Fabio Chini	40%	40%	20%

### 1.2 Infrastructure and Rendering Approach

During our project development, we made strategic choices regarding the hosting service and rendering mode to ensure optimal performance and meet our project objectives. We selected Vercel as our hosting service provider due to its exceptional reliability, scalability, and straightforward deployment process.

To complement our hosting service, we utilized the powerful combination of Nuxt.js and Vue.js for our development needs. Nuxt.js, being a framework built on Vue.js, offers various rendering modes, including SSR (Server-Side Rendering). Leveraging Nuxt.js and its default SSR capabilities, we achieved enhanced user experiences by rendering pages on the server and delivering fully rendered HTML to the client.

In summary, our decision to employ Vercel as our hosting service and leverage Nuxt.js with SSR allowed us to fulfill our project requirements efficiently. The combination of these technologies provided us with reliable hosting, while the SSR rendering mode enhanced performance and supported our objectives for optimal project development.

### 1.3 Responsiveness

The website has been developed paying particular attention to the responsiveness, to ensure usability and accessibility on all types of devices.

## 2 Structure of the Project

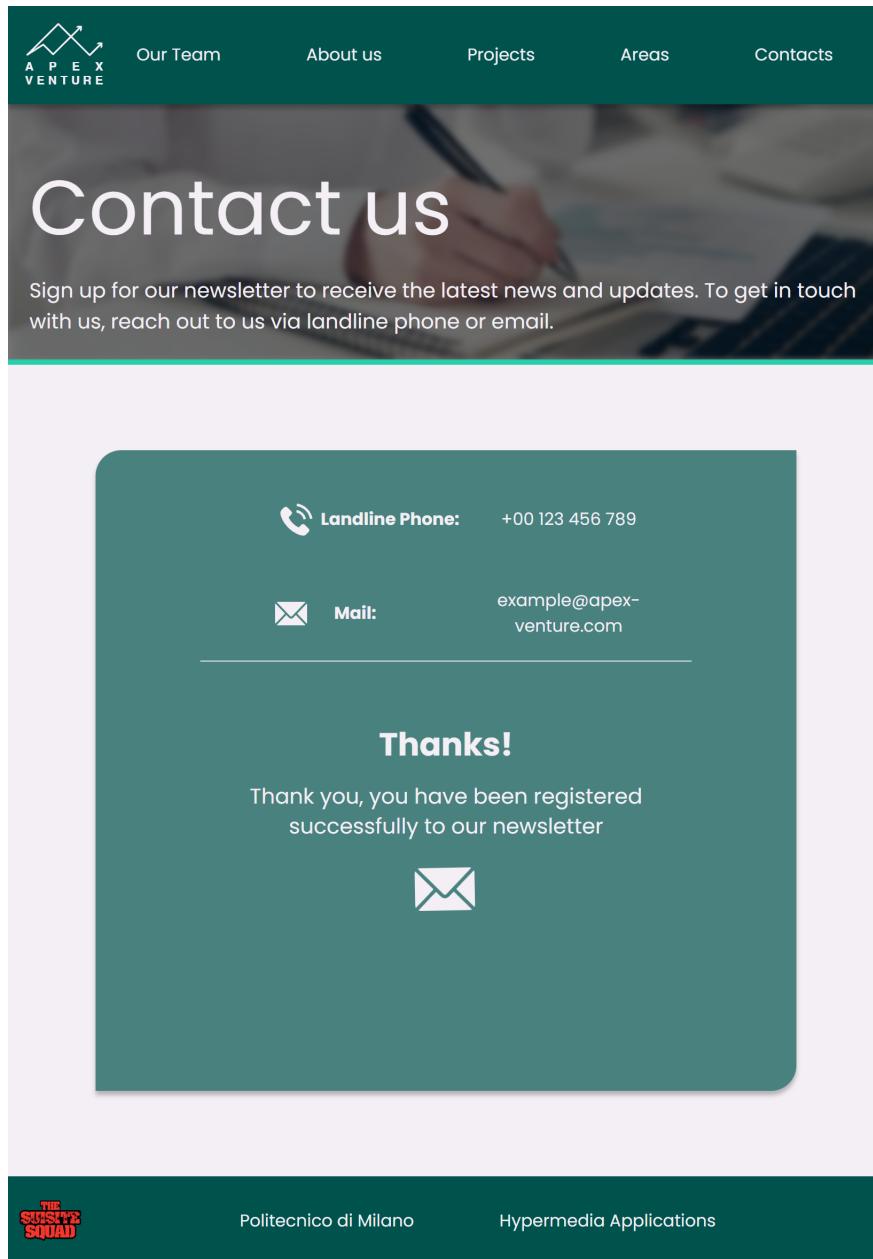
### 2.1 Pages Folder

The pages of the website are structured as seen below, the index.vue page inside the [name] folder represents every specific area page, projects.vue is the projects page for the specific area. The index.vue inside the areas folder but outside the [name] folder represents the Areas page. Inside projects folder, index.vue represents the Projects page and [name].vue every specific project page. In the team folder, we used the same method, so index.vue is the Our Team page, and [name].vue is the single team member page. The remaining about-us.vue, contacts.vue and index.vue represents respectively the About Us page, the Contacts page, and the Homepage.



## 2.2 Server Endpoint

There's only one server interaction on the Contacts page, when all the input fields are correctly filled and the user presses the "Submit" button, a message is sent to the server and if there are no errors present, the server reply with the confirmation message seen below.

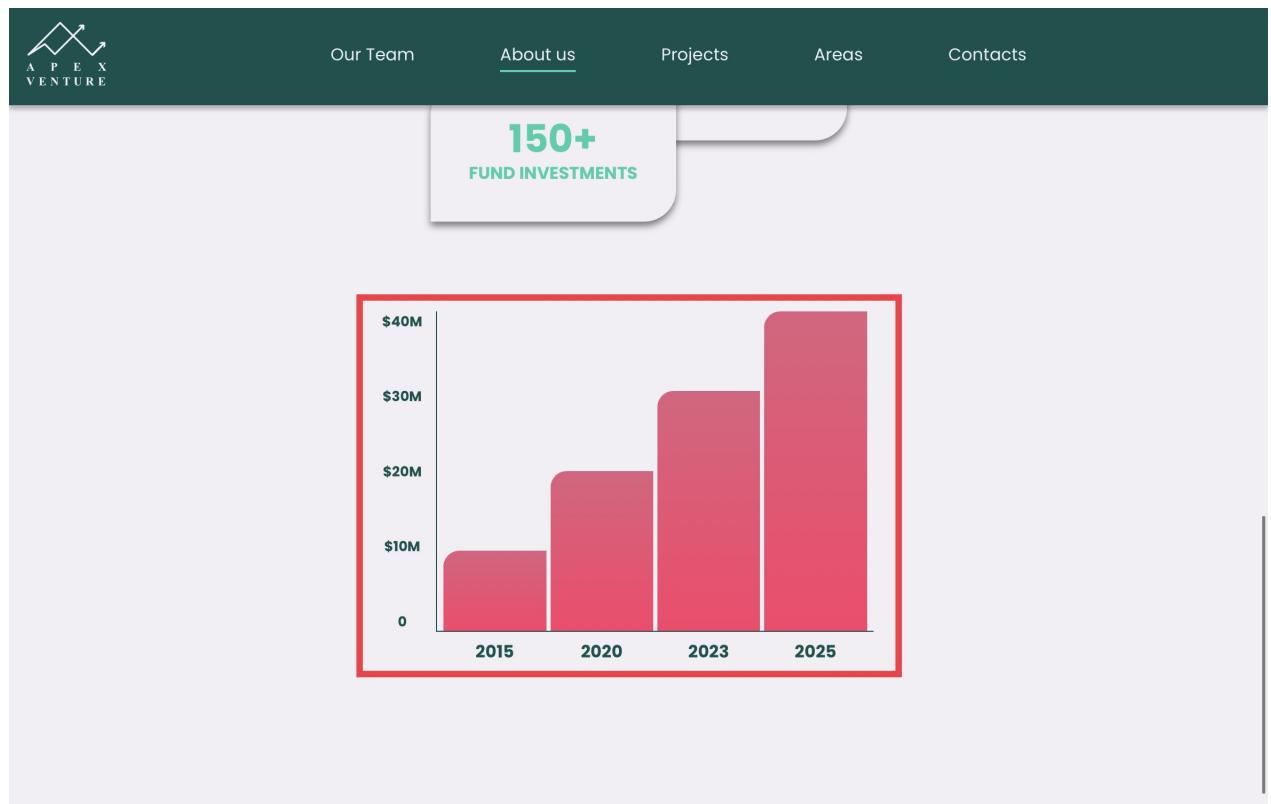


## 3 Components

### 3.1 AnimatedCharts

Animated chart to show the progress of the Venture Capital over the years on the About Us page. It shows that the VC obtained 10M\$, 20M\$, and 30M\$ in 2015, 2020, and 2023 respectively, it also shows the prevision of 40M\$ gain for 2025.

#### Example:



### 3.2 ApexButton

ApexButton is the standard button used in the website to ensure consistency, it's composed of a simple background color and a caption to specify what is the button function.

Prop	Type	Required	Description
Caption	String	Yes	Caption written on the button to specify its function

**Example:**

At Apex Venture, we believe in the power of innovation and are committed to supporting visionary founders in their quest to disrupt industries and drive transformative change. With a strategic investment approach and a deep understanding of market trends, we identify promising opportunities and provide not only capital but also strategic guidance to help startups reach their apex of success. Join us on this exhilarating journey as we shape the future of innovation together.

[See more About us](#)

### 3.3 ApexFooter

ApexFooter defines the footer of every page in the website.

**Example:**

The screenshot shows a website layout with a dark green header bar. In the top left corner of the header is a logo consisting of three stylized peaks above the text "APEX VENTURE". To the right of the logo are five navigation links: "Our Team", "About us", "Projects", "Areas", and "Contacts". Below the header is a photograph of several people in business attire from the waist down. Overlaid on this image is a teal-colored callout box containing text and a button. The text inside the box reads:

**Our Team**

When investors, operators, founders, and specialists align under one mission and commit as a team, each with their own unique set of experiences, accomplishments, and failures, great things are bound to happen.

[See our Team](#)

At the bottom of the page, there is a dark red footer bar. On the left side of the footer is a small logo for "THE SUSPECT SQUAD". To the right of the logo are two pieces of text: "Politecnico di Milano" and "Hypermedia Applications".

### 3.4 ApexHeader

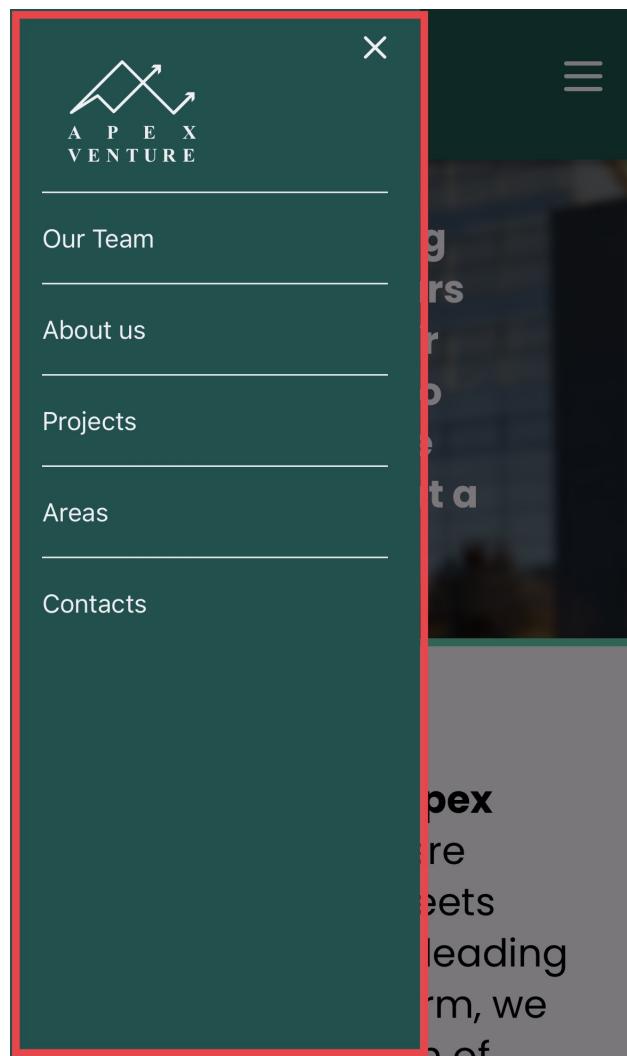
ApexFooter defines the header of every page in the website.

Example:

The screenshot displays a website header with a dark teal background. On the left is a logo consisting of a stylized mountain range icon above the text "APEX VENTURE". To the right of the logo are five white text links: "Our Team", "About us", "Projects", "Areas", and "Contacts". Below the header is a large, blurred photograph of a modern, multi-story office building at dusk or night. Overlaid on this image is a white text box containing the slogan: "Empowering entrepreneurs to turn their dreams into reality, one investment at a time". The main content area below the header has a light gray background. A dark teal horizontal bar spans across the middle of the content area, containing the white text "Most Relevant Projects".

Welcome to **Apex Venture** where **innovation** meets **opportunity**. As a leading venture capital firm, we fuel the growth of groundbreaking startups, providing not only capital but also invaluable expertise and guidance. Join us as we reshape industries, redefine possibilities, and create a brighter future together.

**Most Relevant Projects**



### 3.5 AreaPreview

AreaPreview shows a preview of a specific area in the Areas page, it is composed of 2 buttons: the first redirects to the specific area page when clicked and it is composed of the area icon and a brief description. When hovered, the second button pops up to redirect the user also to the page of the projects in that area.

Prop	Type	Required	Description
Icon URL	String	Yes	URL of the icon used for the area
Caption	String	Yes	Brief description of the area
Title	String	Yes	Name of the area

**Example:**

The screenshot shows a dark-themed website header with navigation links: Our Team, About us, Projects, Areas, and Contacts. Below the header is a banner with the text "Explore diverse investment areas, empowering visionary entrepreneurs across industries to shape the future." The main content area is divided into two sections: "Sectors" and "Technologies". The "Sectors" section contains cards for Education, Fashion, and Finance. The "Education" card is highlighted with a red border. Each card features an icon, the sector name, and a brief description. The "Technologies" section contains cards for Artificial Intelligence, Augmented Reality, and Blockchain.

This screenshot shows the same website layout as the previous one, but the "Education" card in the "Sectors" section now has a callout bubble pointing to the right containing the text "See all Education projects". The rest of the page structure remains the same, including the "Technologies" section and the website footer.

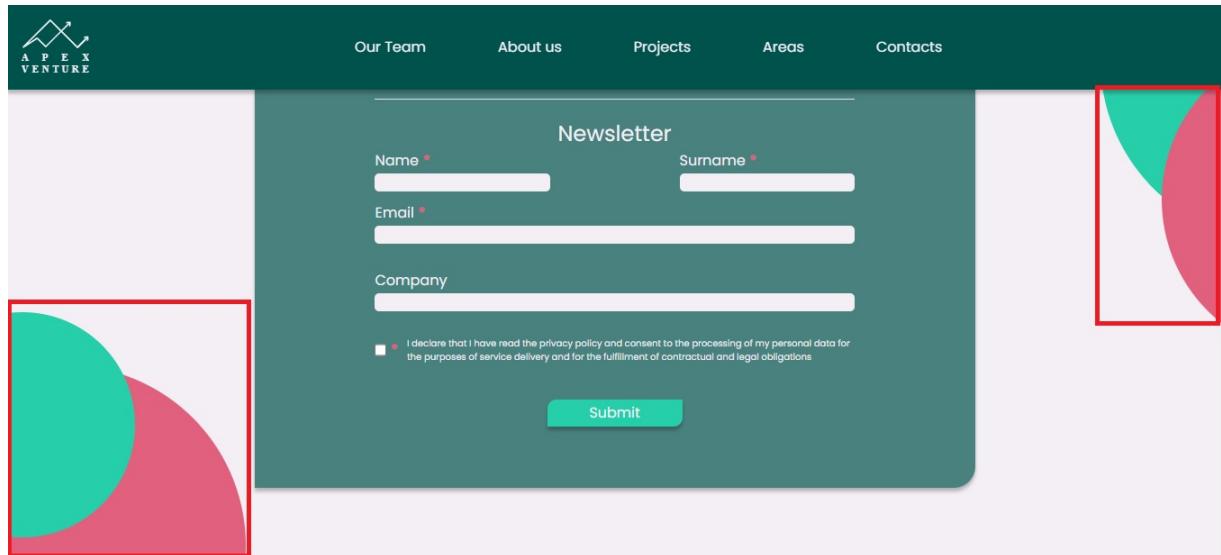
This screenshot shows the "Education" card from the previous ones, but with a much larger and more prominent callout bubble pointing to the right. This bubble contains the text "See all Education projects" in a large, bold font. The rest of the page structure is identical to the previous screenshots.

### 3.6 BackgroundCircle

BackgroundCircle is a simple component that draws a circle in the background of the page to improve the website's aesthetic.

Prop	Type	Required	Description
Top	String	Yes	Data to set the vertical position of the circle
Left	String	Yes	Data to set the horizontal position of the circle
Size	String	Yes	Size of the circle
Color	String	No	Color of the circle

**Example:**



### 3.7 Banner

Banner is a component used on all the pages except the homepage and it represents a banner composed of a background image darkened and blurred a bit, a title, and if needed a caption under the title.

Prop	Type	Required	Description
Image URL	String	Yes	URL of the image used for the background of the banner
Title	String	Yes	Title written over the banner
Caption	String	No	Short description of the banner title
Percentage	String	No	Percentage of how much the image is moved in order to center it

**Example:**

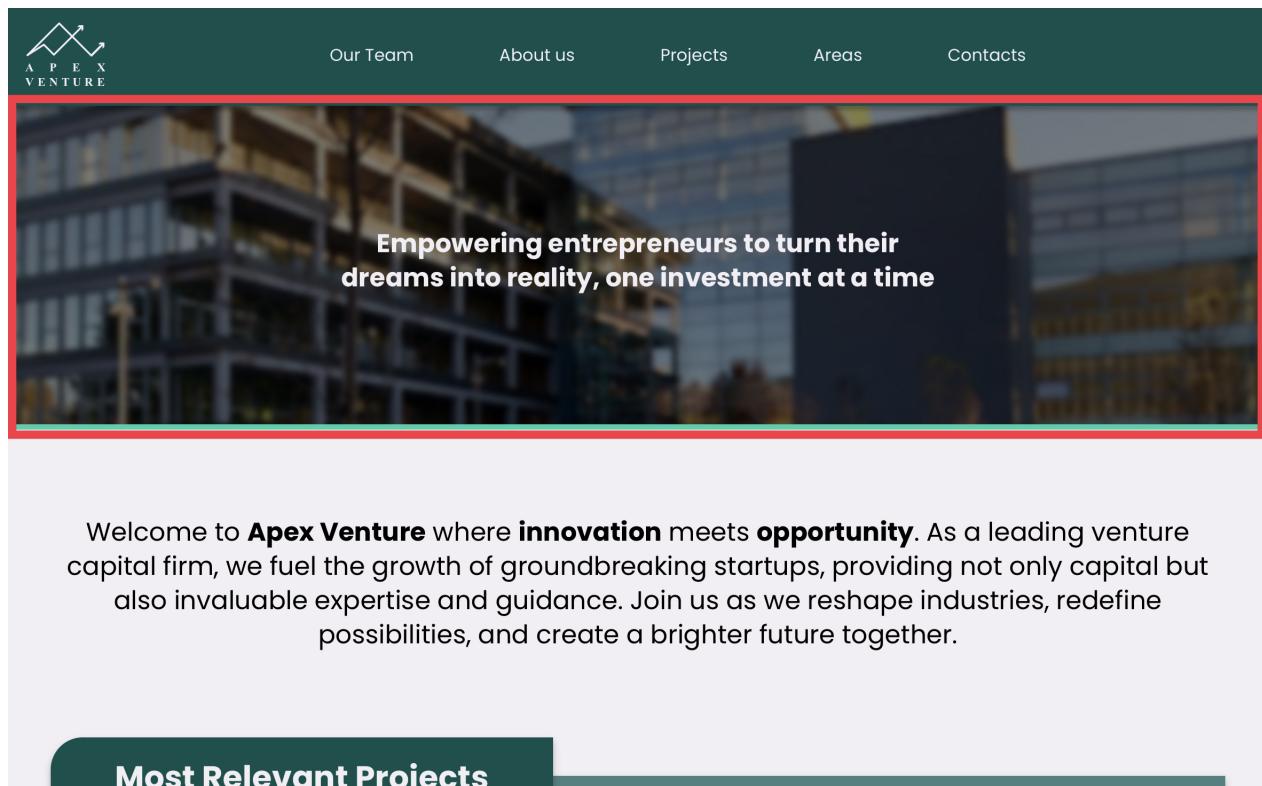
The screenshot shows a website layout. At the top, there is a navigation bar with links: Our Team, About us, Projects, Areas, and Contacts. The 'Contacts' link is underlined, indicating it is the active page. Below the navigation is a banner section. The banner features a blurred background image of a person writing. Overlaid on the banner is the text "Contact us" in large white letters. Below this, a smaller text box contains the message: "Sign up for our newsletter to receive the latest news and updates. To get in touch with us, reach out to us via landline phone or email." At the bottom of the page, there is a newsletter sign-up form with fields for Name\*, Landline Phone (with number +00 123 456 789), and Mail (with address example@example.com). There is also a "Newsletter" button.

### 3.8 BannerHome

BannerHome is a variant of Banner used only in the homepage and it is equal to the Banner component but doesn't have a title, the caption is required to show the slogan of Apex Venture.

Prop	Type	Required	Description
Image URL	String	Yes	URL of the image used for the background of the banner
Caption	String	No	Caption written over the banner
Percentage	String	No	Percentage of how much the image is moved in order to center it since it's cropped

**Example:**



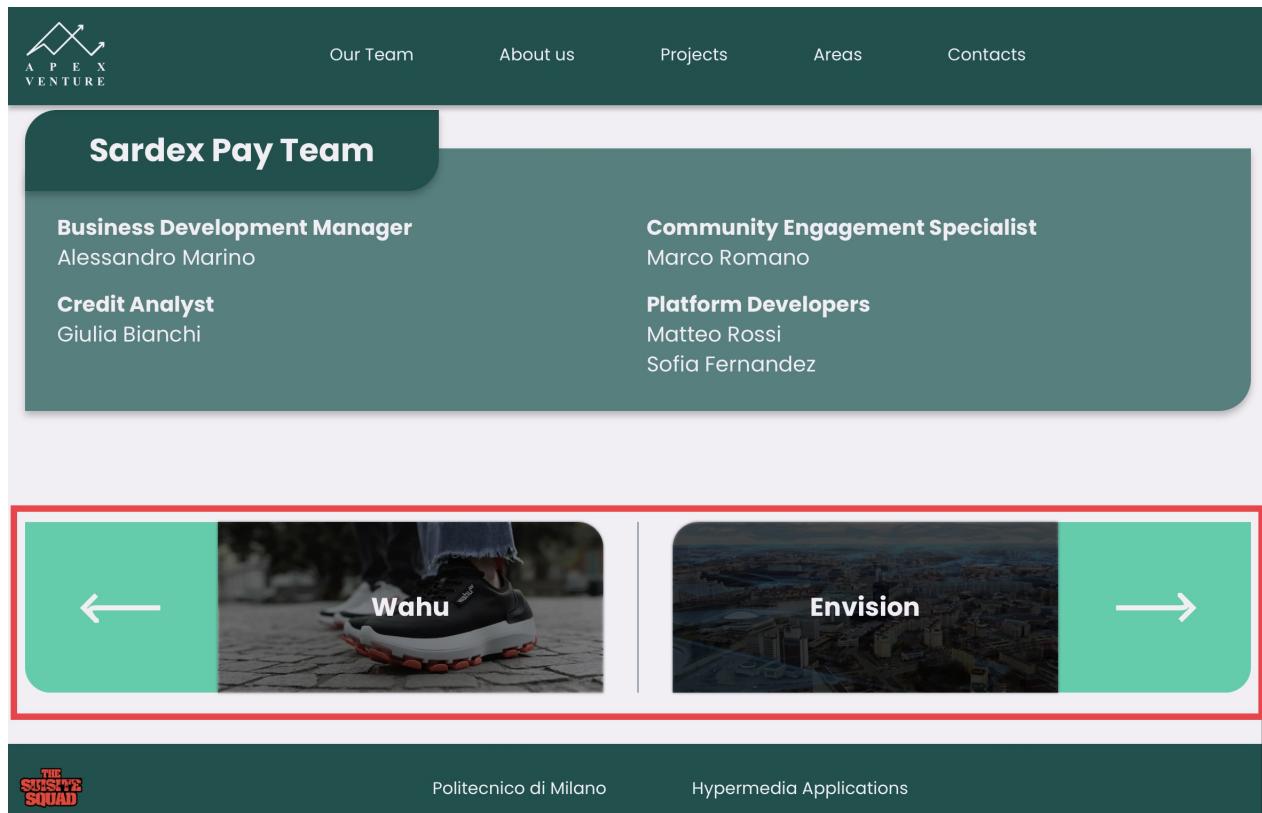
The screenshot shows the homepage of Apex Venture. At the top, there is a navigation bar with links for "Our Team", "About us", "Projects", "Areas", and "Contacts". To the left of the main content area, there is a logo consisting of a stylized mountain range icon above the word "APEX" and below the word "VENTURE". The main content area features a large banner with a blurred image of a modern building. Overlaid on the banner is the slogan: "Empowering entrepreneurs to turn their dreams into reality, one investment at a time". Below the banner, there is a section of text: "Welcome to **Apex Venture** where **innovation** meets **opportunity**. As a leading venture capital firm, we fuel the growth of groundbreaking startups, providing not only capital but also invaluable expertise and guidance. Join us as we reshape industries, redefine possibilities, and create a brighter future together." At the bottom of the page, there is a dark green footer bar with the text "Most Relevant Projects" in white.

### 3.9 BottomNavigator

BottomNavigator is a component defined to navigate between elements of the same group, it is composed of 2 buttons: previous and next that redirect the user to the previous or the next element of the group. The buttons are dynamic, which means that based on the path used to reach that determined element, BottomNavigator will show different elements to navigate. For example, if a user on the homepage clicks to see the most relevant projects and then to one of them, BottomNavigator will show only the most relevant projects to navigate. If instead the user arrives at the same project from the path of the areas, BottomNavigator will show only projects of the same areas the user was curious about before.

Prop	Type	Required	Description
Previous	Object	Yes	Object used to specify all the previous button characteristics inside the component
Next	Object	Yes	Object used to specify all the next button characteristics inside the component

**Example:**



The screenshot shows a website layout with a dark green header bar containing navigation links: Our Team, About us, Projects, Areas, and Contacts. Below the header is a section titled "Sardex Pay Team" featuring four team members: Business Development Manager Alessandro Marino, Community Engagement Specialist Marco Romano, Credit Analyst Giulia Bianchi, and Platform Developers Matteo Rossi and Sofia Fernandez. At the bottom of the page is a footer bar with logos for "THE SUSITE SQUAD", Politecnico di Milano, and Hypermedia Applications.

### 3.10 DataGrid

DataGrid is a component used in every project and area page to present to the user some relevant data about the subject. It is a 2x2 grid that shows 4 important data and a little description beneath it.

Prop	Type	Required	Description
Data Top Left	String	Yes	Data inserted in the top left square of the grid
Caption Top Left	String	Yes	Caption inserted in the top left square of the grid
Data Top Right	String	Yes	Data inserted in the top right square of the grid
Caption Top Right	String	Yes	Caption inserted in the top right square of the grid
Data Bottom Left	String	Yes	Data inserted in the bottom left square of the grid
Caption Bottom Left	String	Yes	Caption inserted in the bottom left square of the grid
Data Bottom Right	String	Yes	Data inserted in the bottom right square of the grid
Caption Bottom Right	String	Yes	Caption inserted in the bottom right square of the grid

#### Example:

The screenshot shows a website layout for 'APEX VENTURE'. At the top, there's a dark header with the logo 'APEX VENTURE' and navigation links: Our Team, About us, Projects, Areas, and Contacts. Below the header, a green callout box contains text about investing in fintech. In the center, there's a large white box with a red-bordered DataGrid. The grid has four cells: the top-left cell contains '\$2.5M Total funds managed'; the top-right cell contains '20% Average annual ROI'; the bottom-left cell contains '2 Number of successful exits'; and the bottom-right cell contains '4 Portfolio companies'. At the bottom of the page, there's a green button labeled 'Finance Projects'.

### 3.11 GroupDataCard

GroupDataCard is a component that groups in a single component 3 DataCard, it is used in the About Us page to present relevant data about the investment strategy of Apex Venture.

#### Example:

The screenshot shows the Apex Venture website's "About us" section. At the top, there is a navigation bar with links: Our Team, About us, Projects, Areas, and Contacts. The "About us" link is underlined. Below the navigation, there is a text block: "Our team of experienced professionals brings a wealth of knowledge and expertise in areas such as finance, marketing, and technology, to help our portfolio companies overcome challenges and scale their businesses." To the right of this text is a GroupDataCard component. It contains three DataCards with the following statistics:

Key	Value
COMPANY INVESTMENTS	35+
FUND INVESTMENTS	150+
REALIZED	\$30M

Below the GroupDataCard is a bar chart showing investment amounts. The y-axis has markers at \$30M and \$40M. Two bars are visible: one red bar reaching approximately \$35M and one taller red bar reaching approximately \$40M.

### 3.12 OurTeamElement

OurTeamElement represents a single person on the team on the Our Team page. It is composed of the name, profile image, role, and a short CV of the specific person.

Prop	Type	Required	Description
Person Name	String	Yes	Data defining the name of the person of the team
Person Image	String	Yes	URL of the profile image of the person of the team
Person Role	String	Yes	Data defining the role of the person of the team
Person Short CV	String	Yes	Short description of the curriculum vitae of the person the team
Left	Boolean	Yes	Data to decide if the image is to be placed to the left or to the right

**Example:**

### 3.13 PictureTitledCard

PictureTitledCard is a component present on the page of a specific member of the team and is composed of the person profile image and his role written underneath.

Prop	Type	Required	Description
Image	String	Yes	URL of the profile image of the person of the team
Role	String	Yes	Data defining the role of the person of the team

**Example:**

The screenshot shows a website header with a dark green background and white text. The header includes the logo 'APEX VENTURE' with a stylized mountain icon, and navigation links for 'Our Team', 'About us', 'Projects', 'Areas', and 'Contacts'.

The main content area features a PictureTitledCard for a team member. On the left, there is a large portrait of a man with glasses and a suit, with his arms crossed. A red rectangular border surrounds the portrait. Below the portrait is a dark teal button with the word 'President' in white capital letters.

To the right of the card, a dark teal sidebar has a rounded top-right corner. The title 'Curriculum Vitae' is displayed in white. Below it, several sections are listed with bullet points:

- Education:**
  - Wharton School, University of Pennsylvania, USA (Masters in Business Administration)
- Experience:**
  - 20+ years of executive leadership in venture capital firms and successful startups.
- Skills:**
  - Strategic planning
  - Fundraising
  - Team management
  - Market analysis
  - Corporate governance
- Languages:**
  - Italian (native)
  - English (fluent)
  - Spanish (fluent)

### 3.14 ProjectLogo

Project logo is a component present in the homepage, the area page, and the team member page. In the mobile version it always shows the start-up project logo and a button underneath that redirects the user to the project page. In the desktop version, the button is only shown when the logo is hovered.

Prop	Type	Required	Description
Project Image	String	Yes	URL of the project logo company
Project Name	String	Yes	Name of the project company

Example:



**Most Relevant Projects**

ALTLIA  
Intelligent Automation

art  
rights  
protect your art

connexa

DREXCODE

envision

[See all Projects](#)



**Most Relevant Projects**

ALTLIA  
Intelligent Automation

art  
rights  
protect your art

connexa

Connexa

DREXCODE

envision

[See all Projects](#)

### 3.15 ProjectPreview

ProjectPreview is a component used in the Projects page and every project per area page, it's a button that redirects the user to the specific project page and it's composed of the project logo, its name, all the area icons in which the project has an impact and a brief description of the project.

Prop	Type	Required	Description
Logo	String	Yes	Logo of the project company
Name	String	Yes	Name of the project company
Short Overview	String	Yes	Brief description of the project
Areas Icons	Array<string>	Yes	Array containing all the URLs of the areas involved in this project

**Example:**

The screenshot shows the 'All Projects' section of the APEX VENTURE website. The top navigation bar includes links for 'Our Team', 'About us', 'Projects' (which is underlined), 'Areas', and 'Contacts'. Below the navigation is a large heading 'All Projects' with a subtext: 'Explore our venture capital firm's portfolio to discover the diverse range of innovative and promising companies we've invested in.' To the left, a sidebar titled 'Filter By Area' offers options to 'reset' and 'Most Relevant Project'. It lists 'Technologies' (Augmented Reality, IoT, Artificial Intelligence, Blockchain) and 'Sectors' (Fashion, Health, Education). Two project cards are displayed: 'SardexPay' and 'enVISION'. The 'SardexPay' card is highlighted with a red border. Both cards feature the project name, a brief description, and a list of area icons.

### 3.16 SingleDataCard

SingleDataCard is a component used in the homepage, and the About Us page (as a component of GroupDataCard), it is composed of data, a short description, and the color of the text.

Prop	Type	Required	Description
Data	String	Yes	Data inserted in the card
Description	String	Yes	Description of the data
Color	String	Yes	Color of the data and the description

**Example:**

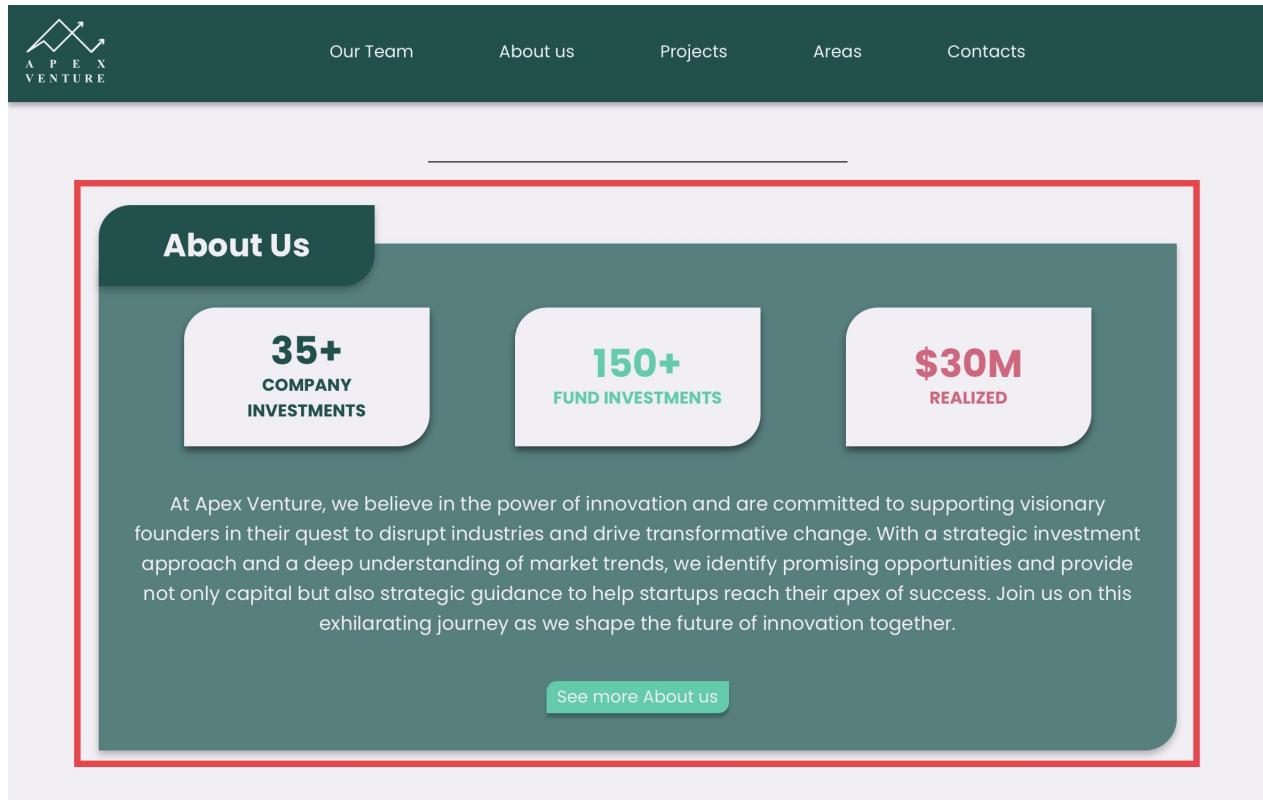
The screenshot shows the 'About Us' section of the Apex Venture website. At the top, there's a navigation bar with links: Our Team, About us, Projects, Areas, and Contacts. Below the navigation, there's a large teal-colored callout box with rounded corners. Inside this box, the word 'About Us' is written in white. To the left, there's a white rounded rectangle containing the text '35+' in bold black, followed by 'COMPANY INVESTMENTS' in smaller black capital letters. In the center, there's another white rounded rectangle with a red border around its top half, containing the text '150+' in bold green, followed by 'FUND INVESTMENTS' in smaller green capital letters. To the right, there's a white rounded rectangle containing the text '\$30M' in bold red, followed by 'REALIZED' in smaller red capital letters. Below these statistics, there's a paragraph of text: 'At Apex Venture, we believe in the power of innovation and are committed to supporting visionary founders in their quest to disrupt industries and drive transformative change. With a strategic investment approach and a deep understanding of market trends, we identify promising opportunities and provide not only capital but also strategic guidance to help startups reach their apex of success. Join us on this exhilarating journey as we shape the future of innovation together.' At the bottom of the callout box, there's a small green button with the text 'See more About us'.

### 3.17 TitledCard

TitledCard is a component used in the homepage, the team member page, the About Us page, the single area page, and in the single project page, it functions mainly as a container in which it is possible to put any desired information, it is composed by a title and a boolean variable to decide if the title container is put to the right or the left of the information container.

Prop	Type	Required	Description
Title	String	Yes	Title of the component
Left	Boolean	Yes	Data used to decide if the title is positioned on the top left or the top right of the component

**Example:**



The screenshot shows the homepage of Apex Venture. At the top, there is a dark header bar with the company logo 'APEX VENTURE' on the left and navigation links 'Our Team', 'About us', 'Projects', 'Areas', and 'Contacts' on the right. Below the header, there is a large teal-colored section titled 'About Us'. This section features three white callout boxes with rounded corners containing statistical information: '35+ COMPANY INVESTMENTS', '150+ FUND INVESTMENTS', and '\$30M REALIZED'. Below these statistics, a paragraph of text reads: 'At Apex Venture, we believe in the power of innovation and are committed to supporting visionary founders in their quest to disrupt industries and drive transformative change. With a strategic investment approach and a deep understanding of market trends, we identify promising opportunities and provide not only capital but also strategic guidance to help startups reach their apex of success. Join us on this exhilarating journey as we shape the future of innovation together.' At the bottom of this section is a green button labeled 'See more About us'.

### 3.18 TouchAreaPreview

TouchAreaPreview is the mobile version of AreaPreview that is composed of the same variables, but since in the mobile version it is impossible to hover a component, the 2 buttons are always visible next to each other underneath the description of the specific area.

Prop	Type	Required	Description
Icon URL	String	Yes	URL of the icon used for the area
Caption	String	Yes	Brief description of the area
Title	String	Yes	Name of the area

**Example:**

### 3.19 WhiteBox

WhiteBox is a component used in the team member page, the single project page, and the single area page (as a component of DataGrid). It is a single white box that can contain any desired data.

#### Example:

The screenshot shows a website layout with a dark green header bar. In the top left corner of the header is a logo consisting of three stylized peaks and the text "APEX VENTURE". To the right of the logo are five menu items: "Our Team", "About us", "Projects", "Areas", and "Contacts". Below the header, there is a large image of a man in a suit with his arms crossed. Overlaid on this image is a dark teal rounded rectangle containing the word "President" in white. To the right of this image is a white content area with rounded corners. Inside this area, there is a list of bullet points under the heading "Skills:", followed by another list under "Languages:". At the bottom of this white area is a red-bordered box containing contact information: Address, Phone, Email, Date of Birth, and Nationality. Below this white area is a dark teal rounded rectangle containing the text "Supervised Projects".

- 20+ years of executive leadership in venture capital firms and successful startups.

**Skills:**

- Strategic planning
- Fundraising
- Team management
- Market analysis
- Corporate governance

**Languages:**

- Italian (native)
- English (fluent)
- Spanish (fluent)

**Address:** Corso Buenos Aires, 35, Rozzano (MI), Italy  
**Phone:** +39 345 9753102  
**Email:** claudio-cavallaro@apexventure.com  
**Date of Birth:** 1968-09-12  
**Nationality:** Italian

**Supervised Projects**

## 4 Extra Modules

### 4.1 Supabase

In the development of our website project, our team successfully integrated Supabase as a powerful support tool. Supabase provided us with a robust and scalable database solution, enabling us to efficiently store and manage the information required to populate our website. By leveraging Supabase's interface and query capabilities, we were able to perform various operations such as retrieving data, updating records, and executing complex queries. The integration of Supabase into our project not only streamlined our development process but also ensured a reliable and secure foundation for our website's data management needs.

### 4.2 Nuxt Image

In the development of our website project, our team implemented Nuxt Image as a powerful tool for handling image optimization and delivery. Nuxt Image provided us with a solution for managing and displaying images across our website. By leveraging Nuxt Image's integration with Nuxt.js, we were able to dynamically generate optimized versions of our images rapidly, ensuring optimal performance and efficient bandwidth usage. The integration of Nuxt Image into our project not only enhanced the overall user experience by delivering images quickly and efficiently but also simplified our image management workflow, enabling us to focus on creating compelling visual content.

### 4.3 Tailwind

In the development of our website project, our team harnessed the power of Tailwind CSS as a robust utility-first CSS framework. By integrating Tailwind CSS into our workflow, we were able to efficiently build and style our website. Tailwind CSS provided us with a comprehensive set of pre-built CSS classes that we could easily apply to our HTML elements, eliminating the need for writing custom CSS from scratch in most of our components. The ability to customize the framework through configuration files allowed us to tailor the design system to our project's specific needs. By leveraging Tailwind CSS, our team achieved a streamlined development process, resulting in a visually cohesive and responsive website.

## 5 Extra Functionalities

### 5.1 Projects Filter

To improve usability, in the All Projects page, we developed a filter to allow a user to see only a certain type of projects as the most relevant projects, or a specific technology or sector projects. This functionality creates a useful shortcut for expert users to reach known project pages rapidly, and at the same time to ease the projects research for an inexperienced user.

The screenshot shows a web application interface for managing projects. At the top, there is a dark green header bar with the logo "APEX VENTURE" on the left and navigation links: "Our Team", "About us", "Projects", "Areas", and "Contacts". Below the header, on the left, is a sidebar titled "Filter By Area" with a "reset" button. The sidebar lists categories under "Most Relevant Project" and "Technologies". Under "Technologies", "Augmented Reality" is selected and highlighted with a red border. Other listed technologies include IoT, Artificial Intelligence, Blockchain, and Green. Under "Sectors", the listed sectors are Fashion, Health, Education, Finance, and Green. To the right of the sidebar, there are two project cards. The first card, for "Hevolus", features the company logo, the word "Hevolus", and a brief description: "Hevolus is an international B2B company specializing in innovative business models for the reta...". The second card, for "Fifth Ingenium", features the company logo, the word "Fifth Ingenium", and a brief description: "FifthIngenium empowers businesses with AR, AI, IoT, and Cloud solutions. Leaders in AR technolo...".

## 6 Ensuring Accessibility and SEO Compliance

To ensure accessibility and SEO compliance, we provided alternative text for all images, ensured that every page had a title using the "useHead" element, made sure that every page had its metadata using the "useSeoMeta" element, optimized page loading by using the WebP format for most images and ensured that the image resolution was dynamic and it adapted to the dimension of the device being used.

By implementing these practices, we enhanced the accessibility of our website for all users and improved its SEO compliance.

