

PORTFOLIO

KACPER GAŚIOR

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SPAC



TAP TO PLAY



11:54:26



Arcade game for Android

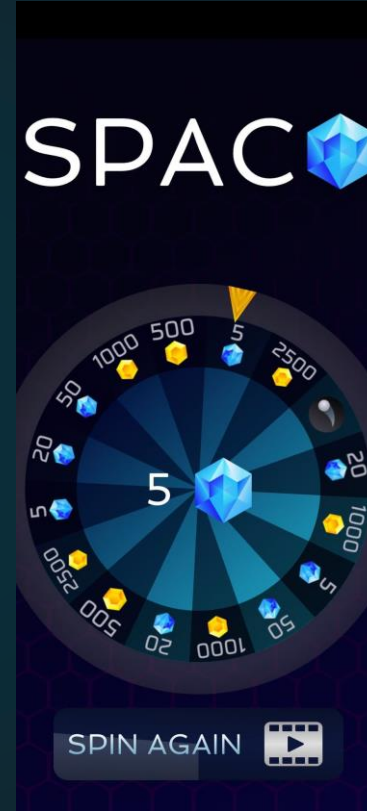
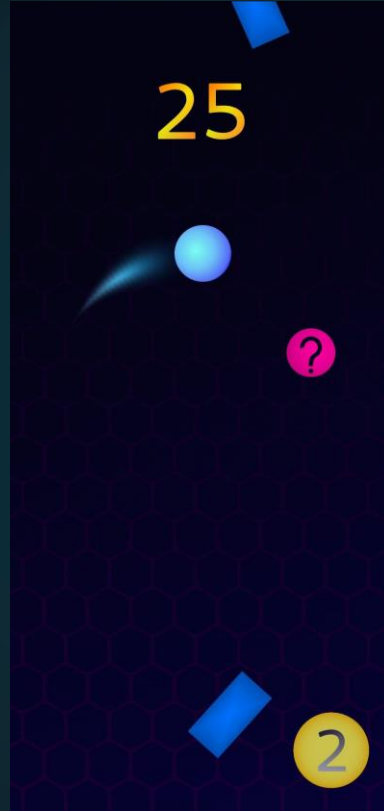
Spaco is one of my first bigger projects. I made it in collaboration with my colleague.

It's an arcade game, with an idea that hasn't been seen in any other games. It was the first time I worked with UI elements and also I used my experience in graphic design to create all of the assets.

This project taught me more than any other. I went from creating UI, through implementing ads and finished on publishing the game on Google Play here -> [SPACO](#)

Some of the features in the game are:

- Daily challenges,
- Implemented ads,
- Google play games leaderboard,
- Firebase notifications,
- Daily roulette,
- In-game currency,
- Shop with different player skins,
- Power-ups



A stylized title card for 'KENDAMASTER'. The title is in a large, bold, black, textured font. It is set against a white rectangular background that has a subtle paper-like texture. The white background is framed by a dark blue, wavy, layered border. Decorative elements include brown branches with pink cherry blossoms at the top and bottom edges of the white rectangle.

KENDAMASTER

**REVOLUTIONARY MOBILE APP FOR
KENDAMA PLAYERS**

As a Polish Kendama Champion and Game Developer, I felt obligated to create an app that would help kendama players learn new tricks and make their life easier.

Because the app is mainly UI, I've learned a lot about different configurations of many UI elements.

The app has been already tested on Google play and TestFlight and is ready to be published for iOS and Android platforms.

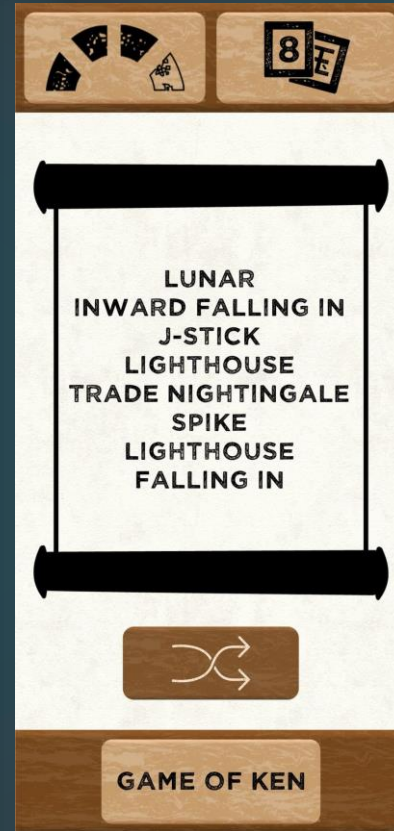




It's the first project that needed to operate on two different platforms. Android and iOS. It was also the first time that I encountered a problem with hiding mobile input over the keyboard, which came out to be a bug of Unity. I'd be happy to elaborate on that during the interview.

The main feature of the app is the combo generator, which generates a valid sequence of random tricks depending on the configuration - number of tricks and skill level.

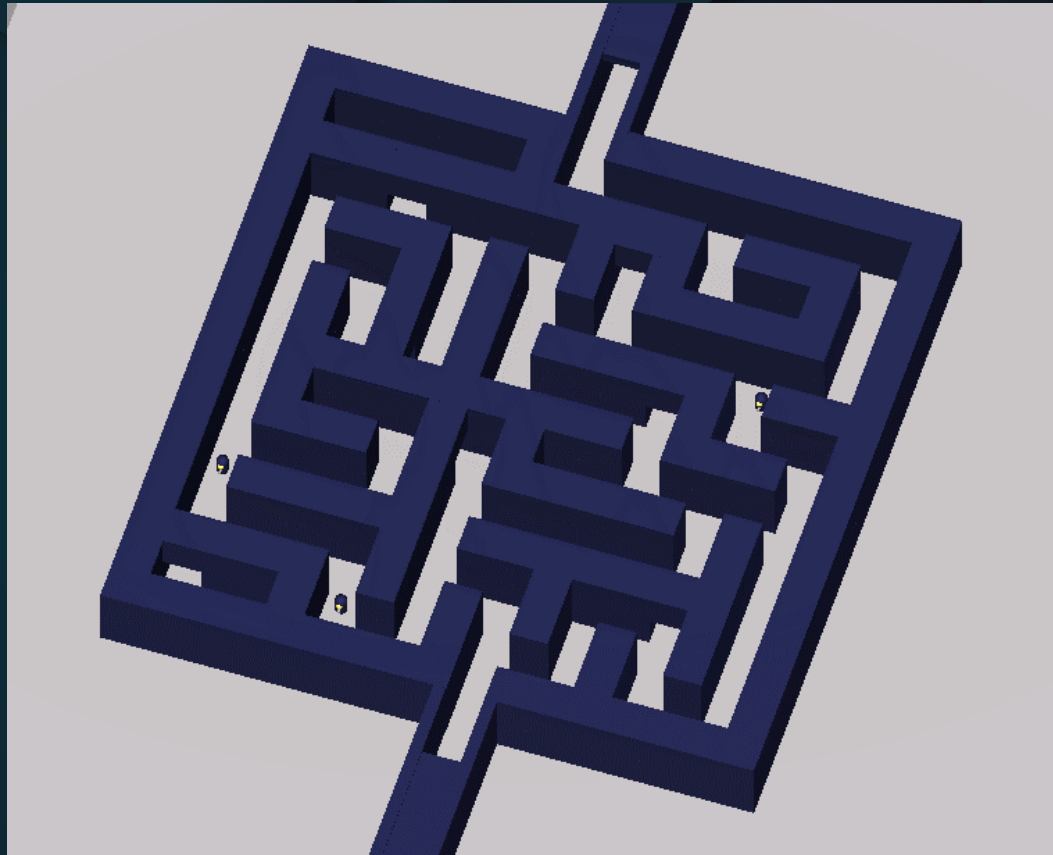
This was a purely algorithmic problem with a connection to kendama world.



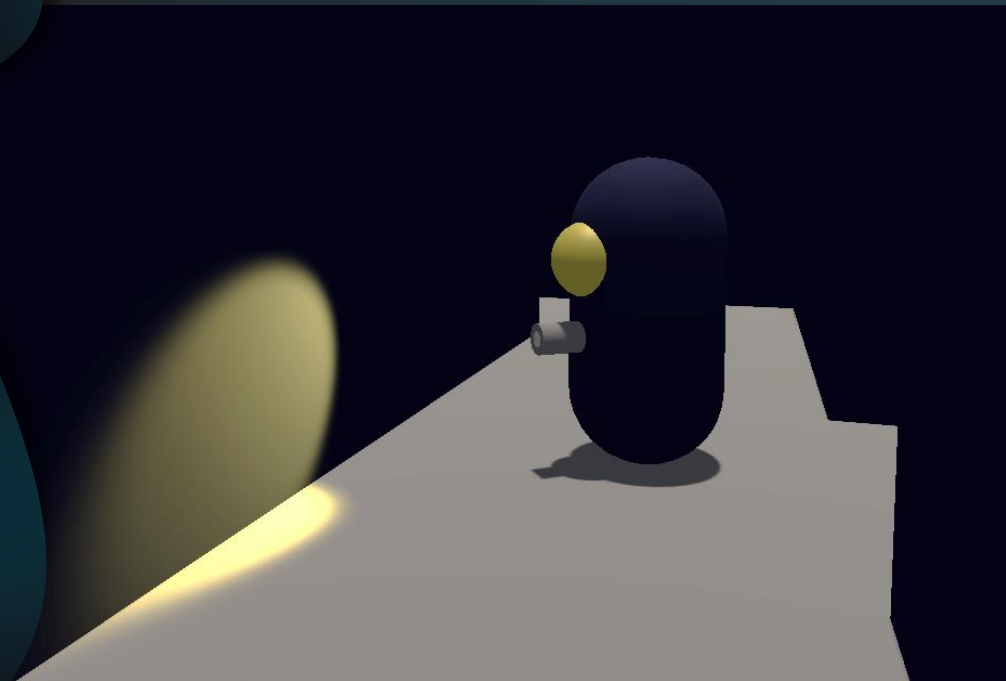
Maze runner

This is one of my first bigger projects in 3D, that I made in a week, during Erasmus in Spain. It includes:

- AI,
- Path finding,
- Machine of states,
- NavMeshAgents,
- NavMeshObstacles,
- RayCasting.



Policemen



Policeman is a NavMeshAgent which is able to:

- Patrol,
- Chase and shoot,
- Refill ammo.

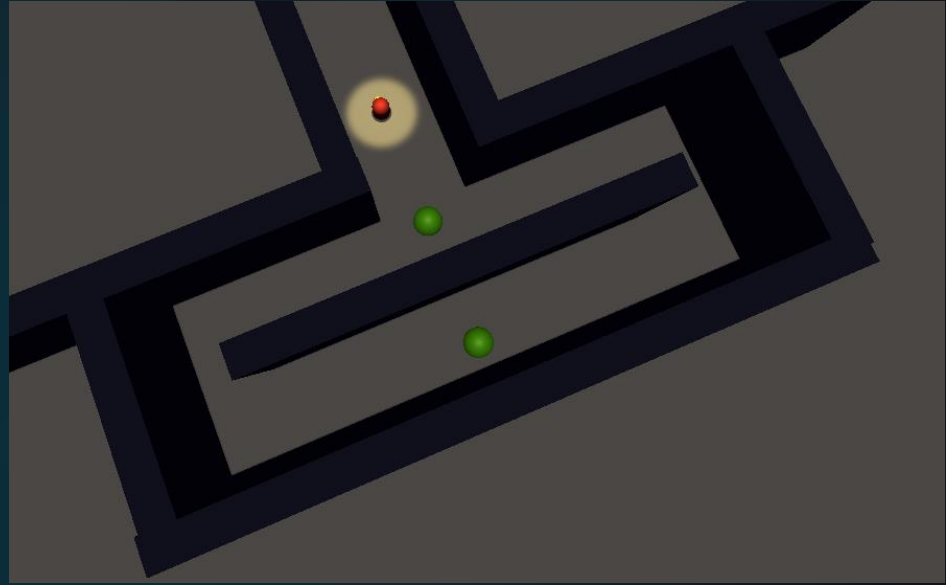
The NPC is using RayCast to look for the player. When a Policeman sees the player, it starts the chase and shoots when the player is directly in front of him.

When the player is far away, NPC comes back to patrolling or if he doesn't have full ammo he goes to ammo refill point.

At the end of the maze, the player has to capture the baby. When the player enters this section of the maze, he instantly becomes a NavMeshObstacle.

When he approaches the kid with too high velocity, the kid runs away to one of the 2 spots that are marked in the picture with the green dots just for presentation purposes.

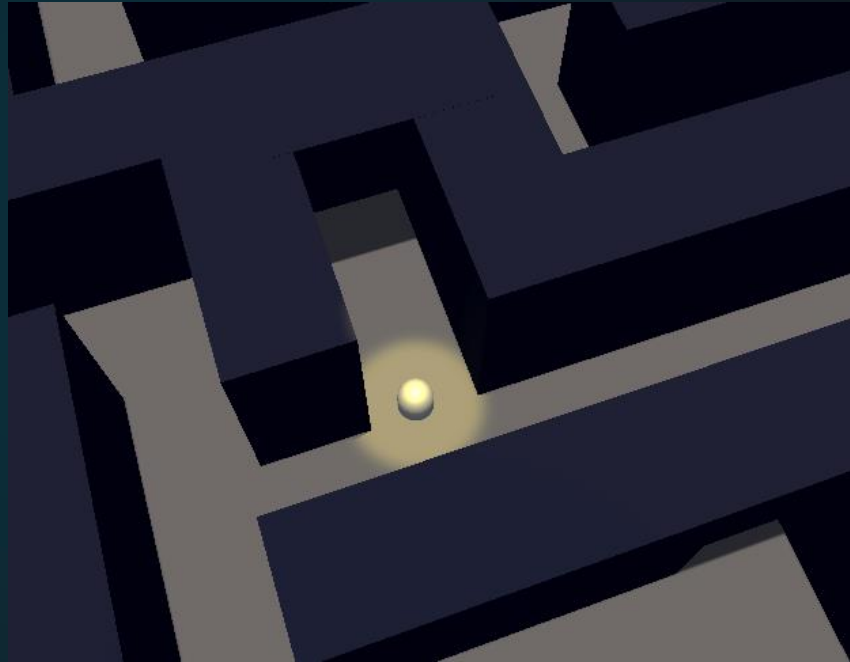
The NavMeshObstacle component in the Player makes the baby avoid him during the escape.

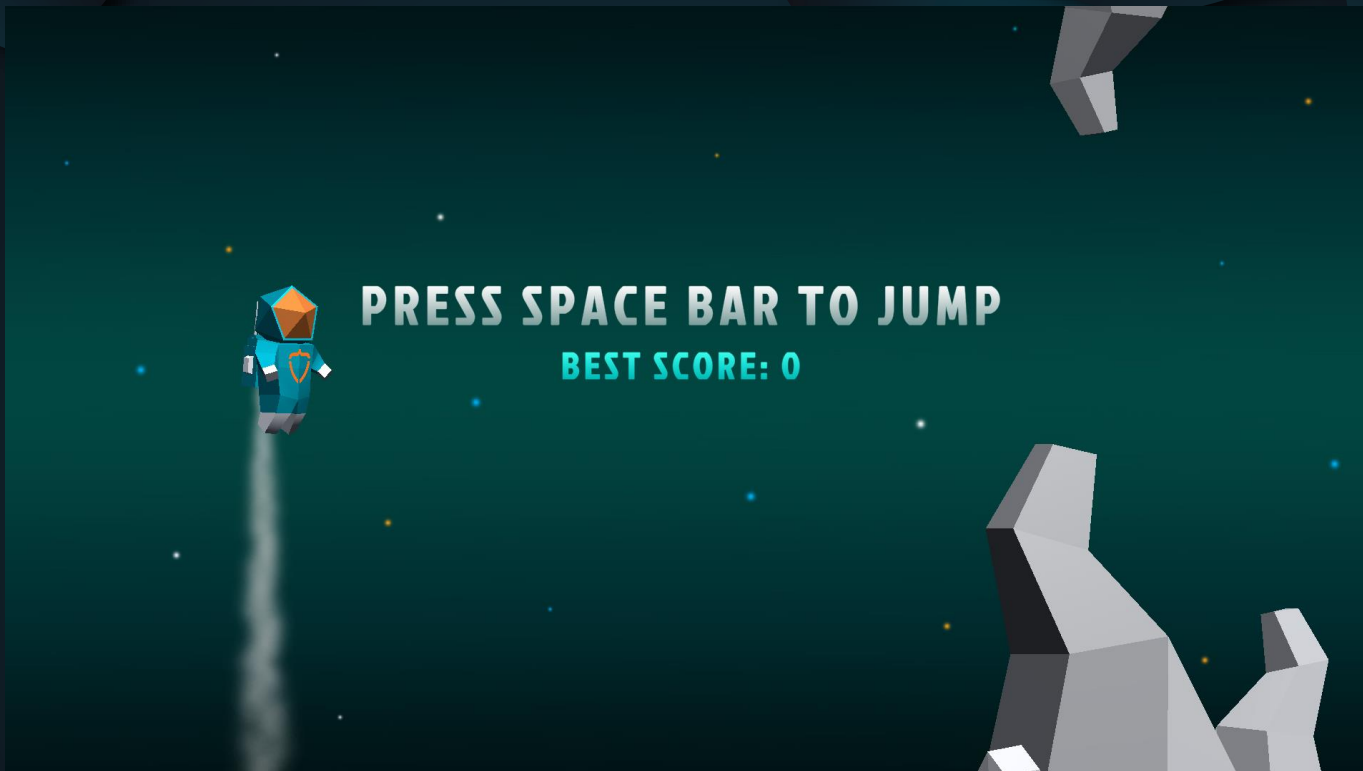


Capturing the baby

Police's light

Police's light is a NavMeshAgent travelling from one destination to another. Mesh renderer is enabled only for the presentation purposes. When light sees the player, it fixes it's position on him and after 3 seconds of seeing him, triggers the alarm. Then all cops start the chase. When the player is hidden for at least 1 second, the alarm is disabled.





Astro Flap

Astro Flap



Astroflap is a classic arcade game in which the player takes on the role of an astronaut exploring caves on an unknown planet.

The game was created in Unity3D and has been uploaded to the web in WebGL. Game has been optimized with use of profiler and object pooling.

Check the game [here](#).



Fox Runner

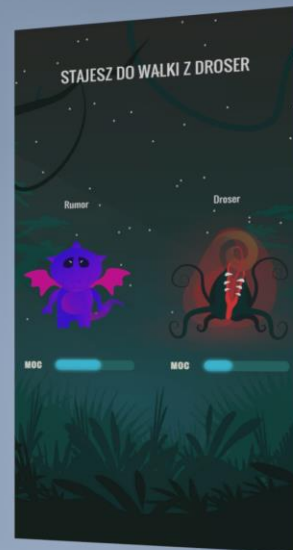
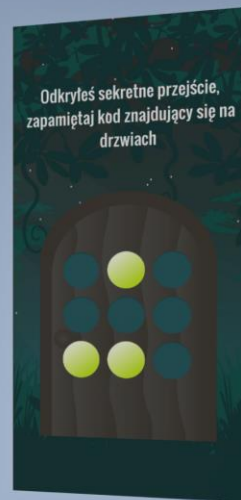


Fox Runner

Fox runner is a platform game with 3D graphics, where the player's goal is to travel as much distance as possible. During gameplay, the player has to avoid obstacles and collect extra time by jumping over gates.

A game created in Unity3D, designed for playing with help of ZED motion capture camera. Obstacle generation is implemented with object pooling for best performance. Web version of the game simulates players motion with arrow keys.

Check the game [here](#).



Smoke Fusion



Smoke Fusion

Smoke Fusion is a game that takes place on interactive screens distributed throughout the park. It will make your amusement park more enjoyable for children while encouraging them to be more active.

A game created in Unity3D, designed for Kiosks with Android. It uses rfid cards to identify user and track his progress. With use of URP and custom shaders, the glow effect has been achieved. In the Internet, there is available a version designed for testing and simulating experience from the amusement park. Check it [here](#).



Alien Defense



Alien Defense

Alien Defense is a simple VR shooter game. The goal of it is to grab the guns from the ground and protect yourself from the incoming aliens.

For better performance, it's been created with URP. Enemies' path is calculated with use of NavMesh components.

The app is in the stage of beta tests on AppLab and has been tested on Oculus 2.



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look for solutions.

Your name

Company name

Email address

Phone number - optional

Your message

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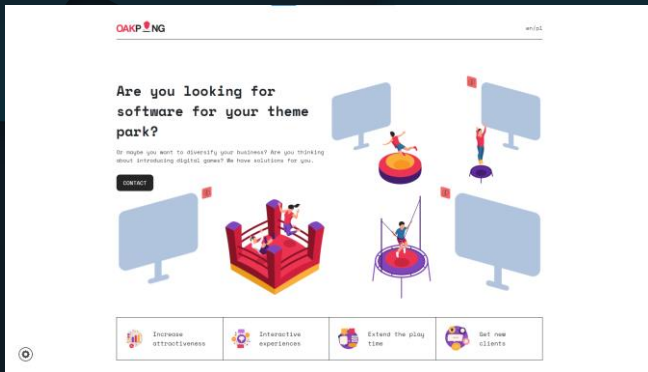
Web development

For 7 months I've worked for OakFusion company, where one of my main duties was creating landing pages in React.js. During this time I've used mainly Gatsby.js framework, which provides great opportunities. It allowed me to create many SSR websites. In some of them I have implemented subpages generation, very helpful in case of for example blog.

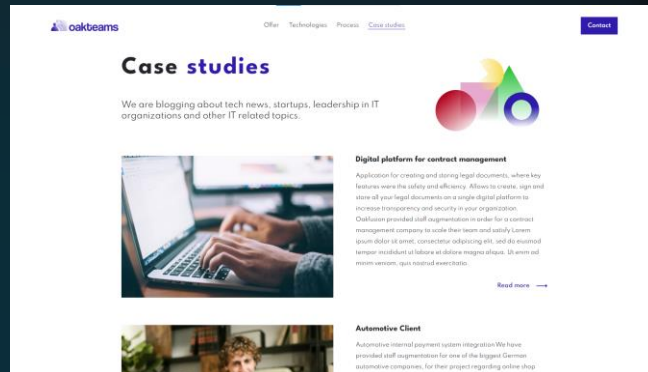
The forms use the formik framework and they are sent with the use of EmailJS. Spam is blocked by Google reCaptcha.

Styling has been implemented using styled components. Websites have been created basing on Figma projects.

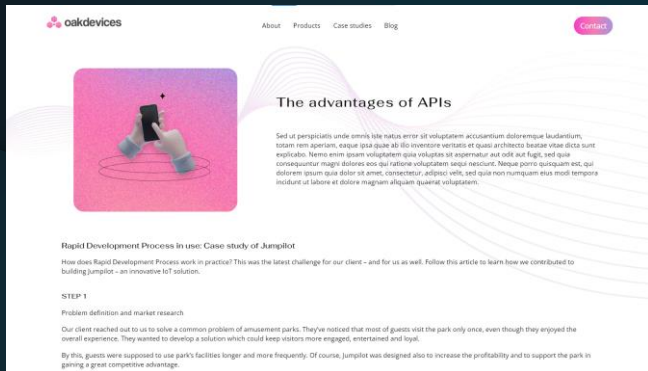
OakFusion landing pages with links



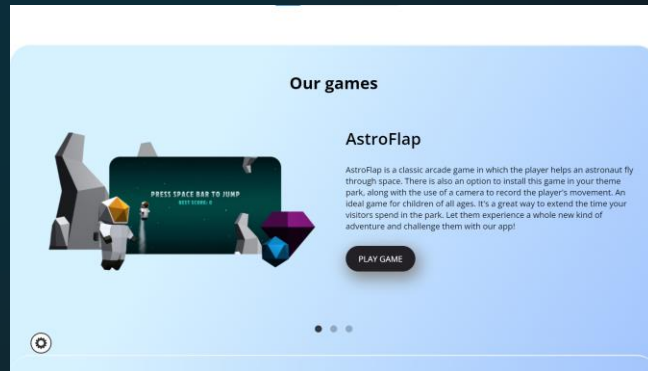
Oak Pong



Oak Teams



Oak Devices



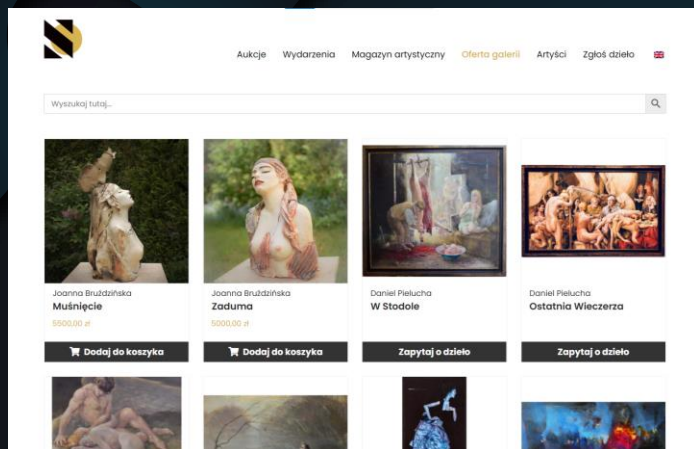
Oak Games

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Prywatna lista kolekcjonerów

Zapisz się

Galeria Sopra



Jako kto zgłaszasz dzieło *

☐ Artysta ☒ Kolekcjoner

Imię i Nazwisko *

Jan Kowalski

Email *

jan.kowalski9@gmail.com

Poprzez podany email bierzemy się z tobą kontaktować:

Numer telefonu *

+48 452628494

Autor dzieła *

Jan Kowalski

Tytuł dzieła *

Dzieło

Wymiary *

10cm x 20cm

Technika *

Pastel

Rok powstania *

1999

Opis dzieła *

Napisz krótko o dziele

Galeria Sopra

Galeria Sopra is an e-commerce webpage, created with Wordpress. Main plugins used during the development process were: Elementor – an easy yet customisable page builder tool, Forminator – to take care of creating forms and WooCommerce for payments, cart etc.

The website's SEO has been improved with use of Yoast SEO plugin.

Visit the website [here](#).