



Cyprus  
University of  
Technology

Department of Electrical  
Engineering and Computer  
Engineering and Informatics

## **Bachelor Thesis**

# **A Refined Service-Seeking Web Application: Web Application with Categorized Listings, Event Planning and Service Requesting (Business Side)**

**Konstantinos Kontou**

Advisor:

Dr. Michael Sirivianos, Dean of the School of Engineering and Technology

**Limassol, May 2024**



**Advisory Committee**

Bachelor Thesis

**A Refined Service-Seeking Web Application: Web  
Application with Categorized Listings, Event Plan-  
ning and Service Requesting (Business Side)**

Presented by

Konstantinos Kontou

Supervisor: Dr. Michael Sirivianos, Dean of the School of Engineering and Technology  
Member of the committee: Dr. Panagiotis Ilia, Lecturer

Cyprus University of Technology  
Limassol, May 2024

## **Copyrights**

Copyright © 2024 Konstantinos Kontou

All rights reserved.

The approval of the dissertation by the Department of Electrical Engineering, Computer Engineering, and Informatics does not necessarily imply the approval by the Department of the views of the writer.

## **Acknowledgements**

I extend my profound gratitude to all those who made it possible for me to finish this thesis. I especially want to thank my supervisor, Dr. Michael Sirivianos, Dean of the School of Engineering and Technology, whose advice and motivation improved my project.

I am also extremely grateful to Trinomial Technologies Ltd for their help, resources and knowledge, which were much needed for this project's success. The team at Trinomial Technologies Ltd, led by Dr. Kostantinos Papadamou and Omiros Polycarpou, provided invaluable insights and expertise that significantly augmented my research.

Additionally, I express my most profound appreciation to the Department of Electrical Engineering, Computer Engineering, and Informatics staff for giving permission to use the necessary equipment and materials to accomplish their task.

Special thanks go to Manolis Minaidis, one of my teammates who helped me assemble the parts and contributed ideas on how this project should be done.

My family is immensely grateful for enabling me to continue with my education and backing me financially, among other ways, throughout this whole process.

Lastly, I want to appreciate my friends' patience and support during these trying moments of a bachelor's degree program. The countless hours spent talking and reasoning with each other on various issues helped complete this work.

# ABSTRACT

This thesis examines how to develop a service-seeking web application to bridge the gap between businesses offering services and users needing them. It provides an organized platform with classified listings, making it easy for customers to locate and evaluate various business services. There are also event-planning tools that can assist users in managing and organizing events using providers' know-how. These tools are available and beneficial to anybody, regardless of background or knowledge level. In addition, the service request feature enables users to submit and monitor their requests, thereby ensuring seamless communication between users and businesses.

After getting user feedback throughout its development process, we modified this web application to align it more closely with real-life challenges encountered in seeking services and managing events. This thesis discusses a web application's design, implementation, and future potentials, which shows how it enhances user satisfaction and operational efficiency on both sides – for users and companies providing services