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Micro services Architecture on

E-commerce

Graduation Project | CS499 | First Semester 2021/2022

FINAL YEAR GRADUATION PROJECT

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Computer Sciences Department

Faculty of Information Technology and Computer Science

Yarmouk University

Irbid, Jordan

Micro services Architecture on

E-commerce

Graduation Project | CS499 | First Semester 2021/2022

**Graduation Project Report**

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*BSc Project*

*CS Department*

*Project ID: YUIT-CS–XX-XXX (XX-XXX, Please request the number form CS dept by sending email to computersci@yu.edu.jo)*

**Micro services Architecture on**

**E-commerce**

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*Date: January 2022*

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***Abstract***

Below is a sample for Abstract page. It follows the Acknowledgement page.

**ABSTRACT**

[Abstract text]

**Keywords**: 3-4 keywords, maximum 2 of these from the title, which starts one line below the Abstract.

***Table of Contents***

Below is a sample for Contents page. It follows the Abstract page.

**TABLE OF CONTENTS**

[Table of contents]

***GP Report Chapters***

From here onwards this document should be organized into different chapters specific to each project. Rest of the section outlines chapters to be included and the recommended contents of each chapter.

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CHAPTER 1 INTRODUCTION

Micro services - also known as the micro service architecture - is an architectural style that structures an application as a collection of services that are

* Highly maintainable and testable
* Loosely coupled
* Independently deployable
* Organized around business capabilities
* Owned by a small team

The micro service architecture enables the rapid, frequent and reliable delivery of large, complex applications. It also enables an organization to evolve its technology stack.

**1.1 Purpose of the Project**

The goal of this project is to implement micro services architecture and focus on the infrastructure on a particular system, which offers many advantages for large and complex systems, and can be implemented on almost any complex system.

**1.2 Purpose of this Document**

My reason for writing this document is to explain in more details about our implementation.

**1.3 Overview of this Document**

This document explains the architecture, software, technology stack, and how it is going to work.

**1.4 Existing System:**

**1.4.1 Existing system description**

Most of the systems today built on monolithic architecture which are designed to handle multiple related tasks. They’re typically complex applications that encompass several tightly coupled functions.

**1.4.2 Problems in the existing system**

* **Scalability Is Limited.**
* **Reliability Issues.**
* **Lack of Flexibility**
* Large code base
* Tight coupling between components, as everything is in one application

CHAPTER 2 SYSTEM ANALYSIS

2.1 Data Analysis

2.1.1 Data flow diagrams

Overview of the system



