

**Institute Code: 0141**

**MICRO PROJECT ON**

**“ONILNE FOOD DELIVERY SYSTEM”**

**Course: Java Programming**

**Corse Code: 22412**

**Academic Year: 2023-2024**

**Semester: Fourth (CO4I)**

**Submitted by:**

|  |  |  |
| --- | --- | --- |
| **Roll No.** | **Name of Students** | **Sign** |
| **1525** | Shubham Giri |  |
| **1526** | Rushi Gujarathi |  |
| **1527** | Param Jadhav |  |

**Name of Micro project Guide: Ms. A. A. Shirode**



**CERTIFICATE**

## This is to certify that micro project entitled **“Online Food Delivery System”**

is the bonafide work of Ms./Mr. **Shubham Giri, Rushi Gujarathi ,Param Jadhav** Roll nos. **1525,1526,1527** of Second year diploma in **Computer Engineering** for the course: **Java Programming** Course code: **22412** during academic year 2023-2024 who carried out the micro project under my supervision.

**Ms. A. A. Shirode**

## Name & signature subject teacher

# All India Shri Shivaji Memorial Society’s Polytechnic

**COMPUTER ENGINEERING DEPARTMENT**

**VISION AND MISSION OF THE INSTITUTE**

* **VISION:**

Achieve excellence in quality technical education by imparting knowledge, skills and abilities to build a better technocrat.

* **MISSION:**

**M1:** Empower the students by inculcating various technical and soft skills.

**M2:** Upgrade teaching-learning process and industry-institute interaction

**VISION AND MISSION OF THE COMPUTER DEPARTMENT**

* **VISION:**

“Enhance skills by providing value based technical education for fulfilling global needs in the field of computer engineering.”

* **MISSION:**

**M1:** To provide quality education in computer engineering by improving psychomotor skills.

**M2:** To develop positive attitude, communication skills, team spirit and entrepreneurship.

**M3:** To develop awareness about societal and ethical responsibility for professionalism.

# All India Shri Shivaji Memorial Society’s Polytechnic

**COMPUTER ENGINEERING DEPARTMENT**

**PROGRAM OUTCOMES (POs)**

|  |  |
| --- | --- |
| **PO1** | **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems. |
| **PO2** | **Problem analysis:** Identify and analyze well-defined engineering problems using codified standard methods. |
| **PO3** | **Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs. |
| **PO4** | **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements. |
| **PO5** | **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices. |
| **PO6** | **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities. |
| **PO7** | **Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes. |

**PROGRAM SPECIFIC OUTCOMES (PSO)**

The Diploma in Computer Engineering will prepare students to attain:

**PSO 1:**  Use state-of-the-art technologies for operation and application of computer software and hardware.

**PSO 2:** Maintain computer engineering related software and hardware systems.

**ACKNOWLEDGEMENT**

The success and final outcome of this project required a lot of guidance and assistance from many people and I am extremely privileged to have got this all along the completion of my project. All that I have done is only due to such supervision and assistance and I would not forget to thank them.

I respect and thank Ms. A.A. Shirode for providing me an opportunity to do the project work on the topic **“ONILNE FOOD DELIVERY SYSTEM”** and giving us all support and guidance which made me complete the project duly. I am extremely thankful to all of my group members for providing such a nice support and guidance. I owe my deep gratitude to my friends and colleagues, who took keen interest on our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

I would not forget to remember my parents for their encouragement and more over for their timely support and guidance till the completion of our project work.

I am thankful to and fortunate enough to get constant encouragement, support and guidance from all Teaching staffs of [SY CO] which helped us in successfully completing our project work. Also, I would like to extend our sincere esteems to all staff in laboratory for their timely support.

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**ANNEXURE I**

**Micro Project Proposal**

# ‘Online Food delivery System’

1. **Aims/Benefit of the Micro Project** (Minimum 30-50 Words)**:**

### Aims:

To develop Online Food Delivery System s using Java Programming.

### Benefits:

* + 1. Java concepts are made clear using this microproject.
    2. Through this project we are able to create a Online food delivery System.

### Course Outcomes Addressed:

C22412.a: Develop programs using Object Oriented methodology in java.

C22412.b:. Apply concept of inheritance for code reusability

C22412.c: : Develop programs using multithreading

C22412.d: Implement exception handling

C22412.e. Develop programs using graphics and applets

C22412.f:. Develop programs for handling I/O and file streams.

1. **3.0 Proposed Methodology** (Procedure that will be followed to do the micro project- in about 100-200 words):
2. Select one topic for micro project that you find very simple.
3. Consult with your teacher for finalization of topic.
4. Make draft copy of micro project proposal.
5. Take approval from teacher.
6. Make list of resources required such as raw material, instruments, software.
7. Execute Micro project.
8. Test Micro project.
9. Observe outputs/Results of Micro project.
10. Prepare Micro Project Presentation.
11. Prepare Micro project report for submission
12. **Action Plan:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Details of Activity** | **Planned Start**  **Date** | **Planned**  **Finish**  **Date** | **Name of**  **Responsible Team**  **Members** |
| 1 | Formation of groups | 14-1-2024 | 14-1-2024 | All Members |
| 2 | Selected the topic for micro project | 20-1-2024 | 20-1-2024 | All Members |
| 3 | Discussed about the project | 22-1-2024 | 22-1-2024 | All Members |
| 4 | Assigned the work to each group member | 23-1-2024 | 23-12024 | Param Jadhav |
| 5 | Detailed study of microproject | 27-1-2024 | 27-1-2024 | All Members |
| 6 | Collected information on assignment topic | 28-1-2024 | 28-1-2024 | All Members |
| 7 | Started working on microproject | 02-2-2024 | 02-2-2024 | All Members |
| 8 | Assembled all the data | 09-2-2024 | 09-2-2024 | Rushi Gujarathi |
| 9 | Evaluation of data | 13-2-2024 | 13-2-2024 | Shubham Giri |
| 10 | Prepared rough copy of microproject | 17-2-2024 | 17-2-2024 | Param Jadhav |
| 11 | Project proposal presentation to guide | 23-2-2024 | 23-2-2024 | All Member |
| 12 | Corrected the micro-project suggested by guide | 27-2-2024 | 27-2-2024 | Rushi Gujarathi |
| 13 | Actual implementation of micro-project | 05-3-2024 | 05-3-2024 | All Members |
| 14 | Execution of overall data / prepared final draft copy | 12-3-2024 | 12-3-2024 | Rushi Gujarathi ,Param Jadhav |
| 15 | Final micro-project presentation | 19-3-2024 | 19-3-2024 | All Members |
| 16 | Micro-project submitted | 26-3-2024 | 26-3-2024 | All Members |

1. **Resource Required:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of Resource/material** | **Specifications** | **Quantity** | **Remarks** |
| 1 | Computer system | VICTUS 5000 SERIES | one system | - |
| 2 | Office software package | Command prompt, notepad |  | - |
| 3 | Printer | inkjet printer | one printer | - |

**Name of Team Members with Roll Nos:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of the Student** | **Roll No.** | **Marks**  **Out of 6** | **Marks**  **Out of 4** | **Total**  **Marks** |
| 1. | Shubham Giri | 1525 |  |  |  |
| 2. | Rushi Gujarathi | 1526 |  |  |  |
| 3. | Param Jadhav | 1527 |  |  |  |

#### 

#### Ms. A. A. Shirode

**(Name & Signature of faculty)**

**ANNEXURE - II**

**Micro Project Report**

**‘Online Food delivery System’**

1. **Rationale/Abstract:**

The purpose of System to deliver Food as per the order of the customer, As the per customer

Need We deliver food in Customer Time.

**Aims/Benefits of the Micro Project:**

1. **Aims:**

To develop Online Food delivery System using Java Programming.

**Benefits:**

* 1. Java concepts are made clear using this micro project.

1. Through this project we are able to create a Online food delivery System.

**Course Outcomes Achieved:**

C22412.a: Develop programs using Object Oriented methodology in java.

C22412.b:. Apply concept of inheritance for code reusability.

**Literature Review:**

**Reference:-**

* 1. [**https://en.wikipedia.org/wiki/Online\_food\_ordering**](https://en.wikipedia.org/wiki/Online_food_ordering)
  2. [**https://www.foodiv.com/how-does-online-food-ordering-system-**](https://www.foodiv.com/how-does-online-food-ordering-system-)

1. **Actual Methodology Followed**: (Write stepwise work done, data collected and its analysis (if any). The contribution of individual member may also be noted.) **:**
   * 1. Searching information using various internet resources.
     2. Verifying and proofreading the information.
     3. Coding the program.
     4. Checking the validity of the information.
     5. Preparing a word document for the information to be typed.
     6. Typing the information with appropriate font and font size.
     7. Snapping for suitable images for better clarification and pasting them in word document.
2. **Actual Resource Used:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No** | **Name of Resource/material** | **Specifications** | **Quantity** | **Remarks** |
| **.**  1 | Computer system | Any desktop or laptop computer with basic configuration | One system | - |
| 2 | Office software package | Notepad , command prompt | - | - |
| 3 | Printer | Inkjet or laser printer | One printer | - |

1. **Outputs of the Micro project** (Presentation of data, findings, drawing etc.)**:**

**Program Code:-**

import java.util.\*;

import java.lang.\*;

import java.util.Scanner.\*;

class Food

{

int choice;

public void shop()

{

System.out.println("\n\n-------------------Thank you for choosing this website---------------------");

System.out.println("\n1. Veg Food \n2.Non-Veg Food \n 3.Simple Food ");

System.out.println("\nEnter your choice:");

Scanner Sc=new Scanner(System.in);

choice=Sc.nextInt();

switch(choice)

{

case 1: System.out.println("\n-----------The Veg Food delivery section is below---------");

System.out.println("\n1.veg-Pizza \n2.Veg-burger \n3.Puran-poli ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println( "\n\*\*\*\*\*\*Three different veg-pizza is available \*\*\*\*\*\*");

System.out.println("\n1.simple Pizza=99 \n2.cheese Pizza =150 \n3.extra cheese Pizza=199 ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nYou buy Simple Pizza Successfully:");

System.out.println("\nc");

break;

case 2:System.out.println("\nYou buy cheese Pizza Successfully:");

System.out.println("\nThe price of the Cheese Pizza is=150");

break;

case 3:System.out.println("\nYou buy extra cheese Pizza Successfully:");

System.out.println("\nThe price of the Cheese Pizza is=199");

break;

default:

System.out.println("there is no other Pizza present in the Food system");

}

break;

case 2:System.out.println( "\n\*\*\*\*\*two different veg-Burger is available \*\*\*\*\*\*");

System.out.println("\n1.simple burger=100 \n cheese Burger=199 ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nYou buy Simple Burger Successfully:");

System.out.println("\nThe price of the Simple burger is=99");

break;

case 2:System.out.println("\nYou buy Cheese Burger Successfully");

System.out.println("\nThe price of the cheese burger is=199");

break;

default:

System.out.println("there is no other burger present in the shopping system");

}

break;

case 3:

System.out.println("\n1.The price of the 1.Puran poli=25 and price of two puran poli =45");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nYou buy one puran poli Successfully:");

System.out.println("\nThe price of the Puran poli is =25");

break;

case 2:System.out.println("\nYou buy Two puran poli Successfully:");

System.out.println("\nThe price of the Two puran poli is =45");

break;

default:

System.out.println("there is no other Puran poli present in the shopping system");

}

default: System.out.println("\n\*\*Thank you visiting the our online Food delivery site\*\*");

}

break;

case 2: System.out.println("\n-----------The Non-Veg Food delivery section is below---------");

System.out.println("\n1.Non veg-Pizza \n2.Non Veg-burger ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println( "\n\*\*\*\*\*\*Three different Non-veg pizza is available \*\*\*\*\*\*");

System.out.println("\n1.simple Pizza=99 \n2.cheese Pizza =150 \n3.extra cheese Pizza=199 ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nYou buy Simple Pizza Successfully:");

System.out.println("\nc");

break;

case 2:System.out.println("\nYou buy cheese Pizza Successfully:");

System.out.println("\nThe price of the Cheese Pizza is=150");

break;

case 3:System.out.println("\nYou buy extra cheese Pizza Successfully:");

System.out.println("\nThe price of the Cheese Pizza is=199");

break;

default:

System.out.println("there is no other Pizza present in the Food system");

}

break;

case 2:System.out.println( "\n\*\*\*\*\*two different Non-veg Burger is available \*\*\*\*\*\*");

System.out.println("\n1.simple burger=100 \n cheese Burger=199 ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nYou buy Simple Burger Successfully:");

System.out.println("\nThe price of the Simple burger is=99");

break;

case 2:System.out.println("\nYou buy Cheese Burger Successfully");

System.out.println("\nThe price of the cheese burger is=199");

break;

default:

System.out.println("there is no other burger present in the shopping system");

}

break;

default: System.out.println("\n\*\*Thank you visiting the our online Food delivery site\*\*");

}

break;

case 3: System.out.println("\n-----------The Food shopping section is item is below---------");

System.out.println("\n1.10-100rupess \n2.100-500rupess ");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println( "\n\*\*\*\*\*\* food range is 10 to 100 \*\*\*\*\*\*");

System.out.println("\n1.tea=20 \n2.samsosa=25 \n3.icecream=50");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nthe price of the tea is 20");

System.out.println("\nyou buy tea successfull");

break;

case 2:System.out.println("\n The price of the samsosa is 25");

System.out.println("you buy samsosa successfully");

break;

case 3:System.out.println("\n The price of the icecream is 50");

System.out.println("\n You buy icecream successfully");

break;

default:

System.out.println("there is no other food available in the shopping system");

}

break;

case 2:System.out.println( "\n\*\*\*\*\*100 to 500rupees is below\*\*\*\*\*\*");

System.out.println("\n1.pav bhaji=150 \n2.MoMo=201 \n3.coldcoffes=199");

System.out.println("\nEnter your choice:");

choice=Sc.nextInt();

switch(choice)

{

case 1:System.out.println("\nYou buy pav bhaji Successfully:");

System.out.println("\nThe price of the Pav bhaji is =150");

break;

case 2:System.out.println("\nYou buy MoMo Successfully:");

System.out.println("\nThe price of the MoMo is is =201");

break;

case 3:System.out.println("\n you buy coldcoffes successfully:");

System.out.println("\n The price of the coldcoffes is=199");

break;

default:

System.out.println("there is no food present in the shopping system");

}

break;

default: System.out.println("\n\*\*Thank you visiting the our online shopping site\*\*");

}

break;

case 4: System.exit(0);

break;

default:System.out.println("\n\*\* Please visit next time\*\*\n");

}

}

}

public class F extends Food

{

public static void main(String args[])

{

F F1=new F();

F1.shop();

}

}

**A screenshot of a computer

Description automatically generated**

**A computer screen shot of a blue screen

Description automatically generated**

**8.0 Skill developed / Learning outcome of the Micro-Project:**

1. Communication skills.
2. Time management.
3. Working in a team.
4. Following ethics.
5. Stress management.
6. Psychomotor skills such as making document and its demonstration.
7. Presentation skills.

**9.0 Applications of the Micro-Project:**

1. **Create Food delivery System**
2. **Securing Customer Information**
3. **Health and Safety**
4. **Corporate Catering**
5. **Food Aggregators**:
6. **Food Delivery Logistics**

**Ms. A. A. Shirode**

**(Name & Signature of faculty)**

**Annexure – III**

**Suggested Rubric for Assessment of Micro Project**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Characteristics to be assessed** | **Poor**  **(Marks 1-3)** | **Average**  **(Marks 4-5)** | **Good**  **(Marks 6-8)** | **Excellent**  **(Marks 9-10)** |
| **1.** | **Relevance to the Course** | Related to very few LOs | Related to some Los | Addressed at-least one CO | Addressed more than one CO |
| **2.** | **Literature Review/information collection** | Not more than two sources (Primary and Secondary), very old reference | At-least 5 relevant sources, at least 2 latest | At-least 7 relevant sources, most latest | About 10 relevant sources, most latest |
| **3.** | **Completion of Target as per Project proposal** | Completed less than 50% | Completed 50 to 60% | Completed 60 to 80% | Completed more than 80% |
| **4.** | **Analysis of Data and representation** | Sample Size all, data neither organized nor presented well | Sufficient and appropriate sample, enough data generated but not organized and not well presented well. No or poor inferences drawn | Sufficient and appropriate sample, enough data generated which is organized and presented well. But poor inferences drawn | Enough data collected by sufficient and appropriate sample size. Proper inferences drawn by organizing and presenting data through tables, charts and graphs |
| **5.** | **Quality of prototype/Model** | Incomplete fabrication/ assembly | Just assembled/ fabricated and parts are not functioning well. Not in proper shape, dimensions beyond tolerance limit. Appearance/ finish are shabby. | Well a Just assembled/ fabricated with proper functioning parts.in proper shape, within tolerance dimensions and good finish. But no creativity in design and use of material | Well a Just assembled/ fabricated with proper functioning parts. In proper shape, within tolerance dimensions and good finish/ appearance. Creativity in design and use of material. |
| **6.** | **Report Preparation** | Very short, poor quality sketches, Details about methods, materials, Precautions and Conclusions omitted, some details are wrong. | Nearly sufficient and correct details about methods, materials, precautions and conclusion. But clarity is not there in presentation. But not enough graphic description | Detailed, correct and clear description of methods, materials, precautions and conclusion. Sufficient graphic description | Very detailed, correct, clear description of methods, materials, precautions and conclusion. Enough tables, charts and sketches |
| **7.** | **Presentation of the Micro-Project** | Major information is not included; information is not well organized. | Includes major information but not well organized not presented well. | Includes major information but not well organized not presented well. | Well organized, includes major information, presented well. |
| **8.** | **Viva** | Could not reply to considerable number of question | Replied to considerable number of questions nut not very properly | Replied properly considerable number of question | Replied most of the questions properly |

### Annexure-IV Evaluation Sheet for the Micro Project

**Academic Year:** 2023-2024 **Name of Faculty:** Ms. A. A. Shirode

**Course:** Java Programming

**Course Code:** 22412  **Semester:** 4-I-Scheme

**Title of the Project:** Online Food delivery System

**COs addressed by the Micro Project:**

C22412.a: Develop programs using Object Oriented methodology in java.

C22412.b: Apply concept of inheritance for code reusability

C22412.c: Develop programs using multithreading

C22412.d: : Implement exception handling

C22412.e: Develop programs using graphics and applets.

C22412. f. Develop programs for handling I/O and file streams

**Major Learning Outcomes achieved by students by doing the micro project:**

**(c) Practical Outcomes:**

 Use Assembly Language Programming Tools and functions.

**(d) Unit Outcomes in Cognitive domain**

* Write program to create classes and objects for given program.
* Develop the programs using relevant control structure to solve the given problem.
* Identify and write programs to perform file operations

**(c) Outcomes in Affective Domain** ● Follow safety practices.

* Practice good housekeeping.
* Demonstrate working as a leader/a team member.
* Follow ethical practices.

.

**Comments/Suggestions about teamwork/leadership/interpersonal communication (if any)**:

More technical applications may be developed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Roll No** | **Student Name** | **Marks out of 6 for performance in group activity (D5 :Col. 6)** | **Marks out of 4 for performance in oral / presentation (D5 :Col. 4)** | **Total out of 10** |
| **1525** | Shubham Giri |  |  |  |
| **1526** | Rushi Gujarathi |  |  |  |
| **1527** | Param Jadhav |  |  |  |

#### Ms. A. A. Shirode

**(Name & Signature of faculty)**

### Log Book of Students

#### Academic Year: 2023-2024

**Name of Student:** Shubham Giri, Rushi Gujarathi, Param Jadhav.

**Title of the Project:** Online Food delivery System

**Course:** Java Programming Language  **Course Code:** 22412 **Semester:** 4-I

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Date** | **Time** | **Work Done** |
| 1. | 14-1-2024 | 3:00pm-4:00pm | Group discussion on topic |
| 2. | 20-1-2024 | 3:00pm-4:00pm | Assign task to group |
| 3. | 22-1-2024 | 3:00pm-4:00pm | Giving particular information |
| 4. | 23-12024 | 3:00pm-4:00pm | Get some Course Outcomes and Practical Outcomes |
| 5. | 27-1-2024 | 3:00pm-4:00pm | Taking review about collected data |
| 6. | 28-1-2024 | 3:00pm-4:00pm | Verify material in sequence |
| 7. | 02-2-2024 | 3:00pm-4:00pm | Discussion on suggestions |
| 8. | 09-2-2024 | 3:00pm-4:00pm | Arrange data in sequence |
| 9. | 13-2-2024 | 3:00pm-4:00pm | Prepare Proposal of the Project |
| 10. | 17-2-2024 | 3:00pm-4:00pm | Verify the draft from teacher |
| 11. | 23-2-2024 | 3:00pm-4:00pm | Rearrange the Data |
| 12. | 27-2-2024 | 3:00pm-4:00pm | Share the data among group |
| 13. | 05-3-2024 | 3:00pm-4:00pm | Prepare the report |
| 14. | 12-3-2024 | 3:00pm-4:00pm | Work on data |
| 15. | 19-3-2024 | 3:00pm-4:00pm | Prepare soft copy |
| 16. | 26-3-2024 | 3:00pm-4:00pm | Submission |

**Ms. A. A. Shirode**

**Name and Signature of Teacher**