**E-commerce Application on IBM Cloud Foundry**

**Abstract:**

This abstract introduces a cutting-edge e-commerce website based on cloud technology, poised to transform the world of online shopping. As businesses and consumers increasingly rely on the internet for their retail needs, the need for a scalable, reliable, and flexible e-commerce platform has become paramount. Leveraging the power of cloud computing, our innovative e-commerce website is designed to meet these demands and offer an unparalleled shopping experience.

**Database:**

Datbase1:product details (IBM link for product details: { "id": "7eeb69405a1c1fee787bbe6ce927116f", "key": "7eeb69405a1c1fee787bbe6ce927116f", "value": { "rev": "2- f0122cf7f17152dbe0fead3247833748" } }) { "prod\_id":"lp001", "product\_name":"leather shoes", "description":"durability for timeless footwear ", "price":"RS:50", "stock":"full" } { "prod\_id":"lp002", "product\_name":"leather bags", "description":"adding a touch of sophistication to your outfit", "price":"RS:70", "stock":"full" } { "prod\_id":"lp004", "product\_name":"leather belts", description:"adding a polised look to your attair", price:"RS:40", stock:"full" } { "prod\_id":"lp005", "product\_name":"leather jackets", "description":"blend of classic and warmth", "price" :"RS:80", "stock":"full" } { "prod\_id":"lp006", "product\_name":"leather gloves", "description":"keeping your hands cozy", "price":"RS:25", "stock":"full" } { "prod\_id":"lp007", "product\_name":"leather wristwatch", "description":"making your watch stretchable", "price":"RS:20", "stock":"full" } { "prod\_id":"lp008", "product\_name":"leather hats", "description":"offers fashionable touch to you", "price":"RS:30", "stock":"full" }

Database2:

customer details(IBM link for customer details: { "id": "058a624389be77f19cf0e854a9ed05b0", "key": "058a624389be77f19cf0e854a9ed05b0", "value": { "rev": "1-944a1cf94daebcce92a5d811db164291" } }) { "0": { "cus id": "li001", "fname": "abi", "lname": "naya", "gender": "F", " email\_id": "abinaya06@gmail.com", "address": "no 4,keelaraja veedi ,thanjavur614625, ph-no:9863457890" }, "1": { "cus id": "li002", "fname": "abinesh", "lname": "bath", "gender": "M", " email\_id": "abiabinesh@gmail.com", "address": "no-436,maada veedi ,cumbum,theni-600875,phno:8882657890" }, "2": { "cus id": "li003", "fname": "lansuri", "lname": "", "gender": "F", " email\_id": "lansu2003@gmail.com", "address": "no-436,mgr nagar ,sollinganallur,chennai-600011,phno:8626987090" }, "3": { "cus id": "li004", "fname": "siva", "lname": "sakthi", "gender": "O", " email\_id": "sivasakthi10@gmail.com", "address": "no-424,muslim street,old town ,cuddalore-600005,phno:8751723120" }, "4": { "cus id": "li005", "fname": "zach", "lname": "hamin", "gender": "M", " email\_id": "riderzachh@gmail.com", "address": "no-7,north st ,thaiyur,kallakuruchi-610875,phno:8229317890" }, "\_id": "058a624389be77f19cf0e854a9ed05b0", "\_rev": "1- 944a1cf94daebcce92a5d811db164291" }

Database 3:

sales and transaction:(IBM link for sales& transaction: { "id": "0e2c158d1f8c6cbf3f1fa40285a6d5c5", "key": "0e2c158d1f8c6cbf3f1fa40285a6d5c5", "value": { "rev": "1-d3561814f3848fa3fbb2e73b84cb7ccf" } }) [{ "order id":"OCP001", "customer id":"li002", "product id":"lp002", "order date":"20/04/2023", "received by":"23/04/2023", "quantity":"1", "total":"RS:51" }, { "order id":"OCP002", "customer id":"li003", "product id":"lp001", "order date":"21/04/2023", "received by":"24/04/2023", "quantity":"1", "total":"RS:71" }, { "order id":"OCP003", "customer id":"li004", "product id":"lp004", "order date":"25/04/2023", "received by":"28/04/2023", "quantity":"1", "total":"RS:41" }, { "order id":"OCP004", "customer id":"li005", "product id":"lp003", "order date":"26/04/2023", "received by":"29/04/2023", "quantity":"2", "total":"RS:82" }, { "order id":"OCP005", "customer id":"li001", "product id":"lp007", "order date":"30/04/2023", "received by":"02/05/2023", "quantity":"1", "total":"RS:41" } ]

**Conclusion:**

this cloud-based e-commerce website represents the future of online retail, offering businesses the tools they need to succeed in the digital age. With its scalability, reliability, security, and flexibility, it empowers businesses to adapt to ever-changing market demands, while providing customers with a convenient, personalized, and efficient shopping experience. The cloud is the backbone of this innovative platform, ensuring it remains at the forefront of e-commerce technology.