

**Project Proposal**

**ONLINE SHOPPING**

**SYED MAAZ ANWER (9360) (L)**

**MUHAMMAD SANNAN (12395)**

**NABEEL AHMED (13839)**

**MIRZA SHAHMEER BAIG (10241)**

**Submitted to**

### DR. MANSOOR EBRAHIM

**<Github Repository Link>**

**Project Proposal**

# Section – 1

# 1.1 Project Identification

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Title: | | | | | | | | | |
| **ONLINE SHOPPING** | | | | | | | | | |
| Group Members (GM’s): | | | | | | | | | |
| 1. | Name: | **SYED MAAZ ANWER (LEADER)** | | | | | | | |
|  | Reg #: | 9360 | | | | | | | |
|  | CGPA: | 2.5 | | | | | | | |
|  | Mobile # : | 0313-0405121 | | Email: | | | | maaz.iunc@gmail.com | |
|  | Signature: | **Maaz.** | | | | | | | |
|  |  | | | | | | | | |
| 2. | Name: | **MUHAMMAD SANNAN** | | | | | | | |
|  | Reg #: | 12395 | | | | | | | |
|  | CGPA: | 2.67 | | | | | | | |
|  | Mobile # : | 03343827478 | | | | | Email: | | msannan40@gmail.com |
|  | Signature: | ***SANNNAN*** | | | | | | | |
|  | | | | | | | | | |
| 3. | Name: | **NABEEL AHMED** | | | | | | | |
|  | Reg #: | 13839 | | | | | | | |
|  | CGPA: | 2.5 | | | | | | | |
|  | Mobile # : | 03122903722 | | | | | Email: | | Nabeel.13839@iqra.edu.pk |
|  | Signature: | signature | | | | | | | |
|  |  | | | | | | | | |
| 4. | Name: | **MIRZA SHAHMEER BAIG** | | | | | | | |
|  | Reg #: | 10241 | | | | | | | |
|  | CGPA: | 2.2 | | | | | | | |
|  | Mobile # : | 0333-1310621 | | | | | Email: | | Mirzashahmeer96@gmail.com |
|  | Signature: | Shahmeer | | | | | | | |
|  |  | | | | | | | | |
|  | | | | | | | | | |
| What technology is core to your product? *(Please mark* 🗹 *where applicable)*  |  |  |  | | --- | --- | --- | | [ ] 3D/4D Printing | | [ ] Augmented Reality / Virtual Reality | | [ ] Big Data, Artificial Intelligence | | [ ] Blockchain | | [ ] Cloud | | [ ] Neurotech | | [ ] Robotics | | [ ] Shared economy | | [ ] The Internet of Things | | [ ] Wearables, Implantables | | [**🗹**] Others (specify): | E-Commerce | | | | | | | | | | | |
|  | | | | | | | | | |
| What is the target market(s) for the products? *(Please mark* 🗹 *where applicable)*  |  |  |  | | --- | --- | --- | | [ ] Automotive, aviation, marine | | [ ] Business, marketing, finance | | [ ] Defence, security, safety | | [ ] Education and training | | [ ] Environment, water management | | [ ] Entertainment, tourism, sport/recreation | | [ ] Food, livestock, agribusiness | | [ ] Healthcare | | [ ] Infrastructure, housing & transport | | [ ] Mining equipment technology & services | | [ ] Oil, gas, energy | | [**🗹** ] Textiles, clothing, footwear | | [ ] Others (specify): |  | | |  | |  | | | | | | | | | | |
| Other Organizations Involved in the Project: *(Please identify all affiliated organizations collaborating in the project, and describe their role/contribution to the project.)* | | | | | | | | | |
| **Academic Organizations:** | | | | | | | | | |
| *#* | *Organization Name* | | | | | *Role / Contribution* | | | |
|  | I**qra University** | | | | | Project Proposal (Software Eng.) | | | |
|  |  | | | | |  | | | |
| **Industrial Organizations:** | | | | | | | | | |
| *#* | *Organization Name* | | | | *Role / Contribution* | | | | |
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|  |  | | | |  | | | | |
| **Funding Organizations:** | | | | | | | | | |
| *#* | *Organization Name* | | | | | *Role / Contribution* | | | |
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|  |  | | | | |  | | | |
| Key Words: *(Please provide a maximum of 5 key words that describe the project)* | | | | | | | | | |
| E-Commerce Website , Online Shopping , Online Purchase | | | | | | | | | |
|  | | | | | | | | | |
| Project Status: (Please mark 🗹) [**🗹** ] New [ ] Modification to previous Project  [ ] Extension of existing project | | | | | | | | | |
| Project Duration: | | | 1 [One-half.svg](https://en.wikipedia.org/wiki/File:One-half.svg) Months | | | | | | |
| Proposed Budget: | | | 40,000 – 50,000 PKR | | | | | | |
|  | | | | | | | | | |
| Project Description (what you want to do)Description:Any member can register and view available products.Only registered member can purchase multiple products regardless of quantity.Contact us page is available to contact Admin for queries.There are three roles available: Visitor, User and Admin.• Visitor can view available products.• User can view and purchase products.• An Admin has some extra privilege including all privilege of visitor and user.Admin can add products, edit product information and add/removeProduct.Admin can add user, edit user information and can remove user.Admin can ship order to user based on order placed by sendingConfirmation mail.Project Justification (why you want to do this)E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace.The objective of this project is to develop a general purpose e-commerce store where product like clothes can be bought from the comfort of home through the Internet. | | | | | | | | | |
|  | | | | | | | | | |
| We will use the following techniques/tools to achieve the final product.*(Maximum 200 words.)* | | | | | | | | | |
| **Tools and techniques Name**   |  |  | | --- | --- | | **Project Name** | Online Shopping Portal | | **Language** | PHP | | **Database** | MySQL | | **User Interface Design** | HTML, AJAX,JQUERY,JAVASCRIPT | | **Web Browser** | Mozilla, Google Chrome, IE8 | | **Software** | XAMPP | | | | | | | | | | |
| Synopsis:*(A brief description of the idea, in non-technical language, explaining product benefit, target market, basic technology, commercial partners, investors, and potential customers. Maximum 200 words.)* | | | | | | | | | |
| * The project objective is to deliver the online shopping application into android platform. * This project is an attempt to provide the advantages of online shopping to customers of a real shop. * It helps buying the products in the shop anywhere through internet by using an android device. | | | | | | | | | |

# Section – 2

# 2.1 Background

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| **Scope of the Project:** |
| 1. Increasing the value of the content with accessibility, reusability, and durability. 2. We will develop the necessary skills to get our business upon the Web and available to a worldwide audience. 3. We’ll understand the concepts, and we’ll have the knowledge. 4. Affiliation program helps to generate many visitors and is one of the best marketing strategies. |
| **Challenges:** *(Please describe the challenges, specific to this research topic, currently being faced internationally.* ***Maximum 500 words.****)* |
| The tragedy of e-commerce can be measured in percentage: 75.8% (almost 8 out of 10) of online shopping carts are abandoned without the purchase being completed. Deficient checkout processes are often singled out as the main cause, but many other problems faced by e-commerce consumers could be behind it.  Slow load times, poor return policies, lack of customer warranties or absurd requirements are among the problems that make online shopping difficult. In the following lines, you will discover these and other bad practices that reduce the commercial performance of online stores, knowing them is the best way to avoid them!  **AVOID THESE PROBLEMS FACED BY ONLINE CONSUMERS**  Having an excellent product is no guarantee of excellence, and the best e-commerce know it. The following selection of problems faced by online consumers does not relate to the product, but to the service before, during and after the purchase (after-sale):  **SCARCE INFORMATION ON THE PRODUCT SHEETS**  It doesn’t matter if an online shoe store has the best moccasins on the market: if your product files contain poorly written text, poor quality images or imprecise specifications, the consumer could back down and visit the competition. Details make all the difference, so it’s important to take care of your product files. Bad practices are just one of the many problems faced by online consumers.  **NONSENSICAL REQUIREMENTS FOR COMPLETING A PURCHASE**  Did you know that 3 out of 10 online consumers (34%) abandon their shopping cart when they are forced to create an account? This is just one of many requirements that should not be imposed on first-time customers. Amazon, for example, reports the advantages of registering on its platform, but in no case imposes registration on its customers.  **POOR LOGISTICS AND LONG DELIVERY TIMES**  Another major challenge faced by shoppers while shopping online is logistics. Compared to the physical store collection of traditional retailers, e-commerce must invest in delivery to reduce this disadvantage. However, 23% of shoppers abandon their shopping carts for shipping reasons, proving that they are not doing too well.  Long delivery times are a serious problem for B2C trade, although in business-to-business it can be offset by the price or volume of products. While certain e-commerce offer same day delivery, most remain stuck in deliveries in 2-3 days. Consumers don’t like waiting.  The situation worsens when shipping costs exceed the final price of the shopping cart. There are at least two ways to solve this problem that not all e-commerce practices:  Free shipping at a certain price (from 75 rupees or from a certain number of items).  Incorporate shipping costs to the price, in addition to taxes, so that customers do not receive an increase in price at the end of their shopping cart.  **SLOW LOADING TIMES**  Do you like endless queues at supermarkets? They’re as horrible as slow loading times in ecommerce. Amazon estimated in 2012 that every second of loading caused them to lose 1.6 billion dollars, which helps to understand why this platform is so fast today.  Most consumers search for several minutes in a category before selecting one or more products for purchase. If navigation is not smooth, users will end up getting tired and leaving the site, leaving behind an abandoned shopping cart. It is not surprising, then, that this is one of the problems faced by ecommerce consumers. |
| **Motivation and Need:** *(Please describe the motivation and need for this work.* ***Maximum 500 words.****)* |
| Online shopping has transformed into one of the most popular channels, both for consumers and suppliers. It provides a broad range of benefits such as 24/7 opportunity to purchase, online catalogs, comparative pricing, cost efficiency, less time consuming and a lot more. These are the reasons why I believe that this project is likely to grow in greater popularity in the future. In this aspect I focus on recognizing the motivational factors of online shopping. Once these factors are identified, online sellers would be able to enhance the popularity of this distribution channel at greater depth because in my project I will try to find the forces that drive consumers to buy online. I believe that in the development of the future characteristics of e-commerce, future patterns of buying behavior would play a significant role. Furthermore my research would reveal emerging trends which can be considered by online companies in the development of their promotions.  Modern e-commerce is about much more than just offering products online. On one hand, the increasing accessibility of the internet on a variety of devices has made it easier than ever for people to browse and complete transactions online. For example, mobile e-commerce via web browsers and dedicated apps is on the rise, meaning more people are choosing to shop and buy on the go. While this opens up great potential for retailers to connect with shoppers, it also means competition to do so is fierce.  Hence, offering a solid product lineup is not enough these days. Merchants should never underestimate the importance of understanding e-commerce customer motivation; only this will help them market and sell in a way conducive to helping buyers along on their purchasing journeys. |

# 2.2 Outcomes and Benefits

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| Expected Outcomes: *(Provide a list of proposed project outputs including publications, databases etc.)*Features of the Project:User RegistrationUser login systemChange passwordForgot passwordProfile management system.Shopping cartWish listOrder HistoryFeatures of Admin:Product Management(Add, Update, Delete)Order Management SystemUser ManagementCategory/ Sub Category Creation and many more |
| Key Benefits and Beneficiaries: *(Please identify clearly the benefits and potential customers/beneficiaries of the project.)*The biggest benefit of online shopping is 'convenience' as it can be done from anywhere, at any time and even from our phones as all you need to do so is have a decent internet connection. Also, many a time’s online shopping is cheaper than offline. Convenience is the biggest perk. Where else can you comfortably shop at midnight while in your pajamas? There are no lines to wait in or cashiers to track down to help you with your purchases, and you can do your shopping in minutes. Online shops give us the opportunity to shop 24/7, and also reward us with a ‘no pollution’ shopping experience. There is no better place to buy informational productsE-books, which are available to you instantly, as soon as the payment goes through. Downloadable items purchased online eliminate the need for any kind of physical material at all, as well, which helps the environment. Cheap deals and better prices are available online, because products come to you direct from the manufacturer or seller without involving middlemen. Plus, it's easier to compare prices and find a better deal. Many online sites offer discount coupons and rebates, as well. Not only are prices better, but you can save on tax as well, since online shops are only required to collect a sales tax if they have a physical location in your state. Factor in the saved expense of gas and parking and you have saved yourself a lot of money! The choices online are amazing. You can find almost any brand or item you're looking for. You can get in on the latest international trends without spending money on airfare. You can shop from retailers in other parts of the state, country, or even world instead of being limited to your own geography. A far greater selection of colors and sizes than you will find locally are at your disposal. Plus, the stock is much more plentiful, so you'll always be able to find your size and color. Some online shops even accept orders for out-of-stock items and ship when they come in. Sending gifts to relatives and friends is easy, no matter where they are. All the packaging and shipping is done for you. Oftentimes, they'll even gift wrap it for you! Now, there is no need to make distance an excuse for not sending a gift on occasions like birthdays, weddings, anniversaries, Valentine's Day, Mother's Day, Father's Day, Eid, and so forth. Many times, when we opt for conventional shopping, we tend to spend a lot more than planned and end up buying items that aren't exactly what we wanted (but we can't find anything better in the store). Online, you don't have to let the store's inventory dictate what you buy, and you can get exactly what you want and need. Comparing and researching products and their prices is so much easier online. If you're shopping for appliances, for example, you can find consumer reviews and product comparisons for all the options on the market, with links to the best prices. We can research firsthand experience, ratings, and reviews for most products and retailers. If you are like me, you hate crowds when you're shopping. Especially during holidays, festivals, or on weekends, they can be such a huge headache. Also, being crushed in the crowds of shoppers sometimes makes us feel rushed or hurried. You don't have to battle for a parking place. All of these problems can be avoided when you shop online. Oftentimes when we're out shopping, we end up buying things that we don't really need, all because shopkeepers pressure us or use their selling skills to compel us to make these purchases. The marketplace on the Internet gives us access to listings of old or damaged items at rock bottom prices.Beneficiaries:Everyone in the entire supply chain benefits.Factories get to sell more to distributors.Distributors get to sell more to online sellers.Online sellers get to present their products to a much larger audience than if they only had a brick and mortar store.Online customers get much more convenience, access to a larger selection of products and more competitive prices.. |
|  |

# 2.3 Objectives

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| --- | --- | --- | --- |
| *(Please describe the measurable objectives of the project and define the expected results. Use results-oriented wording with verbs such as ‘to develop..’, ‘to implement..’, ‘to research..’, ‘to determine..‘, ‘to identify..’* ***The objectives should not be statements and should actually specify in simple words what the project team intends to achieve (something concrete and measurable/ deliverable). Fill only those objectives that are applicable to the proposed project****.)* | | | |
| The main objectives of the e-shopping are given below:   1. To provide information about various products in a different category. 2. Customer can purchase Products Online. 3. Customer can log in and get various information about products and can purchase a suitable product with price and quality comparison. 4. Customer can pay online, so security is must, therefore, e-shopping provide secure transactions. 5. After sale e-shopping also provide after-sales service in which customer problem is solved. 6. Data security is maintained to a relatively high level by implementing it at the Database level, so as to ensure that only authorized users have access to confidential client information. | | | |
| Key Milestones and Deliverables: *(Please list and describe the principal milestones and associated deliverables of the project. The timing of milestones is also to be shown in the Gantt chart in Annexure-A.* ***Quarterly deliverables are preferred****.)* | | | |
|  | | | |
| **S. No.** | **Elapsed time since start of the project** | **Milestone** | **Deliverable** |
| 1. | Week 01 | Idea Discussion | Project Finalization |
| 2. | Week 02 | Documentation Review | Documentation Complete |
| 3. | Week 03 | Front-end or Back-end development | UI/UX Design or Database Design |
| 4. | Week 04 | UI and Admin Panel | Front and Backend integration |
| 5. | Week 05 | Testing & Deployment | Test & Deployed |
| 6. | Week 06 | Project Finalization | Project Finalized |
|  | | | |

# Section – 3

# 3.1 Resources & Other Requirements

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| --- | --- |
| Project Team: ***The numbers in the table below must tally with the HR Cost sheet in the Budget file.*** | |
| ***Title / Position*** | ***Number*** |
| Team Leads | Maaz |
| Researchers / Developers | Sannan ,Mirza |
| Researcher / Development Assistants | Nabeel ,Maaz |
| Support Staff | DR. MANSOOR EBRAHIM |
| Contract Staff (please specify) |  |
| Others (please specify) |  |
| Add more rows if required |  |
| Team Structure: *(Please define the team structure (organogram) and role/key responsibilities of each member. If in collaboration with another partner, the division of manpower at various locations of partners be provided.)* | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Title/Position**  **(of each member)** | **Role/Key Responsibilities** | **Minimum Qualification Required** | **Expertise / Background Required** | **Minimum Experience Required (years)** | | Muhammad Sannan | Front-end and back-end development | BS(CS) | Php,Web developer | 1 | | Mirza Shahmeer | Front-end and back-end development | BS(CS) | Php,Web developer | 1 | | Syed Maaz Anwer | Front-end and back-end development | BS(CS) | Php,Web developer | 1 | | Nabeel Ahmed | Front-end and back-end development | BS(CS) | Php,Web developer | 1 | | |

**Remarks:**

1. Name & Signature of client:

2. Name & Signature of Faculty: