**YES I DO COLLECTIONS** is a small upcoming business that’s run by three people. They help individuals that are planning to tie the knot. The business focuses on various things to plan the weddings such as the attire, shoes and jewellery. The company has two shops in Namibia. One in Windhoek and the other one in Ondangwa (northern part of Namibia). The company has been up and running for 8 months and has been making a profit but not as much as the owners expected. The reason for this is that it is not widely known by people around the country because they don’t have a sufficient way of advertising their business to various people.

Information gathering & observation dialogue

Ashley is one of the owners of YES I DO COLLECTIONS and is in charge of advertising hence she will be the one working with on the project.

Ashley (one of the owners): it is hard to advertise our services for example, if we have something on promotion, we make posters and put it up around time. It is expensive and take a lot of time, and not a lot of people look at posters these days.

Priscilla (student): as programmers, we can create software that will make YES I DO COLLECTIONS easier to find on the web. Or we can create an application for your business, people can download it and get all the information they need on it. As you said not a lot of people look at posters these days but a lot of them look stuff up on the internet and then they will be able to find your business.

Ashley: I have seen quite a few websites and I was impressed and hoped I could get one for my business. I have heard from my business colleagues that their companies had made quite a profit after they invested in creating a website. So I would like you guys to create a website for me.

John (student): okay we will do that. Can you tell us what you want on the website?

Ashley: for the bride we offer wedding gowns, shoes and jewellery. The wedding gowns and jewellery can be bought or rented but the shoes has to be bought. For the groom we offer suits, shoes and ties. We also sell suits for the groomsmen as well. The prices for our designs for all these products should appear on the website. If the customer bring their own designs or alter any of our design then well work out a different price for them. Out contact details should also be on the website.

John: are there any specific problems that we can help with when creating the website?

Ashley: yes. Sometimes clients want decorations or any other product we rent or sell but then it is not in stock or it is already booked by another client.

Ella (student): so on the website, the client should be able to see the availability of a specific product that they want, solving the problem of miscommunication.

Ashley: yes.

Selma: since you’re only based in Windhoek and Ondangwa, what do you do to help clients that are located in other towns?

Ashley: if the client is interested in using our services, we will go to them to take their measurements for the dresses and suits and to confirm their design, materials, and colour. After that the clients have to come in for measurements especially if its custom made. For the wedding we will go to the specific town to make sure that everything is going well.

Wanano: according to what we’ve discussed so far, on the website, all of the products and services you offer will show. Their availability, prices and everything else that there is to know. We will be meeting with you as we make the website to see if it is what you had in mind and if you would like to make some changes.

Ashley: that would be great. Thank you.

1. **A brief description of the client you plan to work with, including a rationale for why you chose this client**

Our client YES I DO COLLECTIONS is a business that provides services to people who would like to get married. The business is based in Windhoek and Ondangwa. It provides services such as wedding dresses and suits as well as wedding cakes and decorations. The reason why we chose this client is because we want businesses like these to become well known and by creating a website for this business is the perfect way to do so, it will help the company get enough exposure.

1. **A brief description of the problem you will analyse**

YES I DO COLLECTIONS is a slowly growing business that is currently experiencing a few problems which are affecting the development of the business. As per observation and different information gathering skills that we used, we gathered that, the business has a very hard time advertising their business offers to people around the country or around the world. They put up posters whenever they have promotions or simply just want people to know about the shop. These posters have to include contact details, location and a few images to show what the business offers. This has turned out to be very expensive money and time wise. And also, not a lot of people pay attention to posters nowadays so chances of someone walking past their poster is a 7 out of ten.

Another problem that they encounter is booking misunderstandings between them and the clients. They have everything written manually, so when a customer orders for specific items that have already been ordered by another client (example on the same day) and the items have not been ticked out of the business books, misunderstandings occur and a lot of loss is made by the business, which also end up disappointing one of the clients.

The owners simply need a platform where they can display their stock, show their prices, show when prices have increased or when the items are on promotion. They need a platform where they can easily show that items are not in stock or when certain items are already requested by another client, so that they solve the problem of miscommunication between them and their clients. They need a platform that will show the people around the country the gorgeous, quality and affordable items that they offer, hence making it easy for clients around the country to interact with the business.

1. **Preliminary Analysis of project requirements**

Functional Requirement

1. Display the price of all the designs and all the products, whether they are rented or bought which ae gowns, jewellery, shoes, suits, ties and outfits.

* This is one of the customers’ needs and it is feasible to perform this because it is the main requirement. The complexity or such a requirement is minimal because there is no large processing of data or calculations since it is simply displaying the customer items.

1. Display if decorations or any product have already been booked by another client or not in stock. (Availability).

* This requirement is also feasible to perform since it enhances a user’s experience by giving them immediate feedback on a product they had liked to buy or rent. There is some complexity on the requirement because

**4.A motivation of the suggested Process plan**

The client requested feedback every two weeks thus we decided to use the incremental development model.

Incremental development benefits;

1. The cost of accommodating changing customer requirements is reduced.

* The amount of analysis and documentation that has to be redone is much less than is required with waterfall model.

1. It is easier to get customer feedback on the development work that has been done.

* Customers can comment on demonstrations of the software and see how much work has been done.

1. More rapid delivery and deployment of useful software to the customer is possible.

* Customers are able to use and gain value from the software earlier than is possible with the waterfall process.

**5.1 Functional requirements**

|  |  |
| --- | --- |
| 1. The website must display the following products: | |
| 1.1 Brides dresses | * measurements * color * material * type * price |
| 1.2 Brides shoes | * Size * Type * Color * price |
| 1.3 Jewelry | * crystals * type * price |
| * 1. Grooms Suit | * type * measurements * material * color * price |
| * 1. Grooms shoes | * Type * Color * price |
| * 1. Ties | * Type * Color * Material * price |
| 1. The website should have a home page that shows the purpose of the organization. | |
| 1. The website should have a home page where customers can view the products that is available. | |
| 1. Customers should be able to view the total amount that they are supposed to pay. | |
| 1. The website home page must show the contact details of the organization. | |

**5.2 Non Functional requirements**

1. Authentication
   1. For the Updater(Ashley)
   2. Normal viewer(Customer)
2. Availability
3. Integrity
4. Confidentiality
5. Reliability

|  |  |
| --- | --- |
| **Group member** | **Contribution** |
| Wanano K Masikara | Met with the client in week 2 to interview the client and find out about the software requirements. Will be in charge of designing and implementation of the website. |
| John Kapapero | Met with the client in week 2 to interview the client and find out about the software requirements. Will be in charge of designing and implementation of the website. |
| Selma Theophilus | Met with the client in week 2. Is in charge of creating the documentation for the software. |
| Priscilla S Masule | Met with the client in week 2. Is in charge of the documentation for the software. Is also in charge of regularly meeting with the client (every 2 to 3 weeks) and informing the client of progress made, and enquire about the changes that the client might want to make. |
| Ella N Shiimi | Met with the client in week 2. Is in charge of the documentation for the software. Is also in charge of regularly meeting with the client (every 2 to 3 weeks) and informing the client of progress made, and enquire about the changes that the client might want to make. |

|  |
| --- |
| YES I DO COLLECTIONS |
|  |
| +YES I DO COLLECTIONS (…)  +Total Price(): Double  +Total Quantity():Integer  +Total items ordered: Integer  +Login(Password, Username): Boolean  +Sign up(Password, Username): Boolean |

|  |
| --- |
| ITEM |
| -Item Name: String  -Colour: String  -Size: Integer  -Material: String  -Type: String |
| +ITEM(String ItemName, String Colour, String Material, String Type) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SUIT |  | DRESS |  | SHOE |
| -Measurement: String  -Material: String | -Measurement: String |  |
| +SUIT (String ItemName, String Colour, String Material, String Type String Measurement)  +Price():Double | +DRESS(String ItemName, String Colour, String Material, String Type ,String Measurement)  +Price():Double | +SHOE(String ItemName, String Colour, String Material, String Type)  + Price():Double |

|  |  |  |
| --- | --- | --- |
| TIE |  | JEWELLERLY |
|  | -Crystals: Boolean |
| +TIE (String ItemName, String Colour, String Material, String Type)  +Price(): Double | JEWELLERLY(String ItemName, String Colour, String Material, String Type, Boolean Crystals)  +Price(): Double |

**State Diagram**

Form opened

Open form

Sign up finalized

Send confirmation email

Confirmation email sent

Information from form added to database

Submission success

Submit form

Submission fail

form closed

Complete form

Form cancelled

Form submitted

Form completed