**Report 1 – Introduction**

1. **Project Information**

* Project name: **Online furniture retailer**
* Abbreviation: **HouseDecor**
* Product Type: **Web Application**
* Start Date: **May 10, 2017**
* End Date:

1. **Introduction**

House is very important to everyone. In order to have a house as your wish, you will search for home services. So far, people select home service providers often through referrals of friends or relatives. This leaves the user with limited choice and more difficult in finding reliable service providers. On the service provider side, they are also limited in introducing their package services or products.

As a result, we built a system that helps people find the home service provider easier and the service provider will have more customers.

1. **Current Situation**

* The supplier of interior and exterior products has many, but the introduction of online products is limited because it costs to build and maintain a website.
* The problems of housing and the way of thinking in Vietnam are always carefully selected and specific authentication (for example: ask people who have just built houses, neighbors or find relatives). Private websites are rarely found unless they are big, reputable companies.
* Customer services usually work in groups including contractors, builders, painters, electricians water. The customer only needs minor repairs, it is difficult to find the painters, electricians, service clean the house…

1. **Problem Definition**

* In Vietnam, there aren’t any home building services website.
* Cost to build and maintain a website is an issue that many suppliers can’t introduce their products and services online.

1. **Proposed Solution**

Our proposed solution is to build a website Online furniture retailer:

- Provide information and sell seller's products.

- Support to search for service providers: interior design, exterior, construction contractor, home repair services.

- It also supports users to upload designs, share ideas, stories related to the exterior and interior.

* 1. **Technologies**

3 tiers:

* Server side:
* Database Design, OOP, MVC, Java technology.
* Client side:
* CSS, JavaScript, jQuery.
* Communication:
* Exchange information and transfer data in effective in networks.
  1. **Feature Functions**

Web application:

* For customer:
* Browse and save beautiful home photos with others.
* Find the right design and construction professionals.
* For supplier:
* Show their services, projects, products and communicate with customers in their posts to find suitable orders.
* Advertise their products, services to customers.
  1. **Advantages and disadvantages**
* **Advantages:**
* Bring new experience about design and construction home.
* Help customer to save time and money.
* Help customer to find their own supplier.
* Help supplier to have more customers, orders.
* **Disadvantages:**
* B2B website is uncommon for customer.
* Supplier provides services or sell products at price equal or lower than market price.

1. **Functional Requirements**

**Admin component:**

* Admin can manage all accounts: activate/deactivate.
* Admin can manage all products, idea books, projects, photos: view/accept/block.
* Admin can search accounts, products, idea books, projects.

**Guest component:**

* Guest can view and share photos, idea books, projects, products, bookmarks, story and profile of others.
* Guest can manage their cart: add/edit/remove but can’t check out.
* Guest can search/filter products, projects, professionals.
  + - Guest can register account to be Member or Professional

**Member component:**

* Member can edit profile.
* Member can view and share photos, idea books, projects, products, bookmarks, story and profile of others.
* Member can manage their idea books, photos, bookmarks: add/edit/delete.
* Member can manage their cart: add/edit/delete and check out.

Member can search/filter products, projects, professionals

**Professional component:**

* Professional can edit profile.
* Member can view and share photos, idea books, projects, products, bookmarks, story and profile of others.
* Professional can manage their idea books, projects, photos, bookmarks: add/edit/delete.
* Professional can manage their cart: add/edit/delete and check out.
* Professional can search/filter products, projects, professionals.
* Professional can register to be Seller

**Seller component:**

* Seller can manage their products: add/edit/delete.
* Seller can update order’s status.
* Seller can view sale-report by day, month.

**System component:**

* System send SMS, email to Seller when Seller have an order.
* System tracking member, professional’s activities.
* System minus quantity of product when the product is ordered.
* System send Advertisement to member, professional.
* System hide/show account’s posts when the account is banned/unbanned.
* System send notification to Admin, Member, Professional, Seller (notify their activities).

1. **Role and Responsibility**

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| --- | --- | --- | --- | --- |
| **No** | **Full Name** | **Role** | **Position** | **Contact** |
| 1 | Thân Thị Ngọc Vân | Project Librarian | Supervisor | [Vanttn2@fe.edu.vn](mailto:Vanttn2@fe.edu.vn) |
| 2 | Cao Đức Sơn Ngọc | Developer | Leader | [Ngoccdsse61116@fpt.edu.vn](mailto:Havhse61394@fpt.edu.vn) |
| 3 | Lê Đại An | Developer | Member | [Ledaian41@gmail.com](mailto:Ledaian41@gmail.com) |
| 4 | Võ Trần Hoàng Long | Developer | Member | [Longvth13@gmail.com](mailto:Longvth13@gmail.com) |
| 5 | Trịnh Duy Nhân | Developer | Member | Duynhan102209@gmail.com |

*Table 1: Roles and Responsibilities*