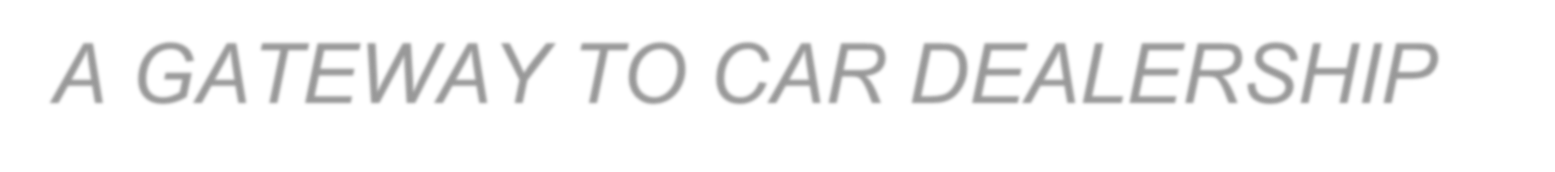
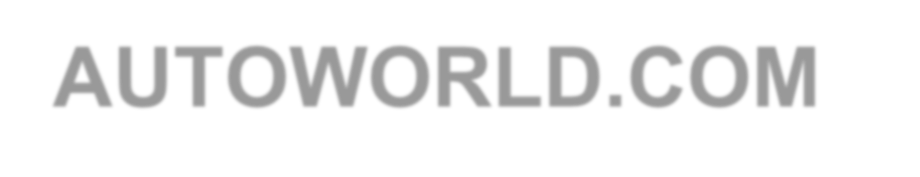
**FPT ACADEMY INTERNATIONAL**



## FPT – APTECH COMPUTER EDUCATION

AUCTIONSTABLE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Center Name:** | | FPT – Aptech – HCM2  Address: 590 Cach Mang Thang Tam, District 3, Ho Chi Minh City | | |
| **Instructor** |  | Ms. Le Mong Thuy | |  |
| **Class:** |  | T1.2302.E1 | |  |
| **Group:** |  | 7 | |  |
| **Group members** | | **Name** | | **Student ID** |
|  |  | Nguyễn Thị Ngọc Mai | | Student1455765 |
|  |  | Ngô Đình Tân | | Student1457506 |
|  |  | |
| **Duration** | Start date | 23th May 2023 | |  |
| End date | 23th June 2023 | |  |

**This is to certify that**

**Mr./Ms.:**

Nguyễn Thị Ngọc Mai

Ngô Đình Tân

**has successfully designed & developed**

eProject: AuctionsTable website

**Submitted by:**

Ngô Đình Tân

**Date of issue:**

**Authorized Signature:**

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## ACKNOWLEGMENT

On behalf of all the members of group 7, we would like to thank you all for the efforts, supports to make this e-Project complete successfully. Especially, Ms. Le Mong Thuy, our teacher, she helped us a lot from the day that we started to study at FPT Aptech. With this e-Project, she has guided us with her enthusiasm and rigorous, thanks to her support, we would be able to get this project done. Besides, I would like to say thanks to all the team member of group 7, each of the team members has been working constantly during 4 weeks of hard work so as to complete our project. Last but not least, we would like to say thank you to our family for always supporting us, facilitate conditions for us to focus on the project, and putting faith in our ambitions.

## SYNOSIS

The main objective of this project is to create a feature-rich website that enables AuctionsTable to offer online auction services to their clients. The website will provide a user-friendly and intuitive interface for bidders, allowing them to participate in auctions, place bids, and manage their accounts. Additionally, the website will include administrative features to support AuctionsTable in managing auctions, cataloging items, and overseeing the overall auction process.

## PROBLEM DEFINITION

The current problem faced by AuctionsTable is the lack of an online platform to cater to their expanding client base and provide e-services for auctions. With their 25 years of experience in organizing auctions, they now require a website to streamline their operations, enhance user experience, and facilitate online bidding. The absence of a dedicated website restricts their reach, limits bidding opportunities, and hampers their ability to efficiently manage auctions and catalog valuable items.

## CUSTOMER'S REQUIREMENTS SPECIFICATIONS (CRS)

**Client: AuctionsTable**

### **Business/Project Objective:**

* + - AuctionsTable is an organization selling valuable items and goods through auctions. They have a vast experience of organizing auctions for past 25 years. Now with the client base expanding, they want to provide e-services for auctions. Hence they want a website to be created with proper auction features.
    - We are supposed to create a website for them with the below mentioned requirement specifications.
    - The website is to be developed for the Windows Platform using HTML5, JavaScript, Bootstrap and AngularJS. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

**Input to the system:**

* + - Searching products based on name.
    - Bidding products on website.
    - Register members on website.

**Output from the system:**

* + - A menu that will categorize all the functions of the site.
    - Display the list of available product category.
    - Categories depends on specifications of product.
* Paintings: portrait, landscape, still life, nature.
* Car: classic car, muscle car, sports car.
  + - Perform the search based on a particular name.
    - Display the statistics of auction items.
    - Display the details description of items
    - Display the details (images, timer, price, etc.) of auctions.
    - Display the base price of auctions
    - Display the owner of items when time runs out
    - Display the price list of the various items available on the website.
    - Site should be able to provide brief introduction/history about the company and the location of the company under About Us page.
    - Besides the above requirements, the site should have look and feel as per the industry standards.

**Process**:

* + - Allows customers to sign up/ sign in.
    - Validate data input from users.

**Expected delivery date:** 23-June-2023.

**List of deliverables:**

* + - Document Word.
    - User Guide.
    - Source code.

### **Hardware/ Software Requirements:**

* **For developer**

**Hardware**

* A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
* 64 Megabytes of RAM or better

**Software**

* Notepad/HTML editor/CoffeeCup
* Angular / Angular JS / React / BootStrap
* Dreamweaver / Figma
* MS IE / Chrome / FireFox / Netscape /MS Edge
* **For web users**

**Hardware**

* Intel Pentium 4 processor or higher
* 512 Megabytes of RAM or higher

**Software**

* Windows XP OS or higher
* Web browsers such as IE, Chrome or Firefox are supporting HTML5, CSS3 and Javascript.

## Scope of the work (in brief)

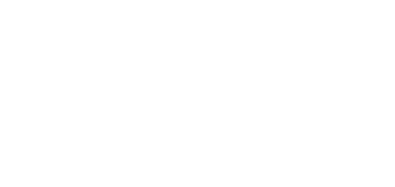
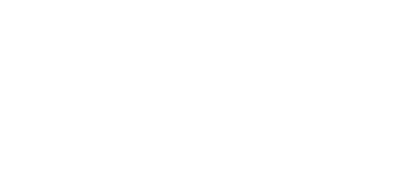
After a long and detailed discussion, our group has decided to create a website contain the following webpages:

1. ***Homepage***: Display various information about bidding items, brief introduction of AuctionsTable. How many times left for bidding items, current price.
2. ***Category***: Display specific item categories for car or painting and status of item like finished or still going.
3. ***Product***: Display specific item information, including item in detail, starting bid, current bid or owner, last user bid, how many view this product got, and we can perform bidding process in this page.
4. ***How To Buy/ Why to sell***: some filter information to make the page feel like a real website.
5. ***Blog Category***: Display multiple blog and their created date.
6. ***Blog***: Display blog paragraph.
7. ***Sign in***: Allow user to login.
8. ***Sign up***: Allow user to sign up.
9. ***About us***: Display information about the company.
10. ***Disclaimer***: Display website’s term of service.

## Architecture and design of the system

Webpage request

**Angular JS**



Requested Page

**RENDERING**

**ENGINE**

**CSS CODE**

**HTML CODE**

**WEB SERVER**

**WEB BROWSER**

**CLIENT**

**SERVER**

## Diagram of the website

**A picture containing text, screenshot, circle, design

Description automatically generated**



## TASK SHEET REVIEW 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Ref. No.:** | | **Project Title:** | **Activity Plan Prepared By:** | **Date of Preparation of Activity Plan:** | | | |
| **No.** | **Task** | **Actual**  **Start Date** | **Actual Days** | **Team**  **Mate Names** | **Status** |
| 1 | Problem Statement | AUCTIONS  TABLE | Mai, Tan | 23-June-23 | 1 | Mai, Tan | Completed |
| 2 | Analysis of AuctionsTable requirements about the website | 23-June-23 | 1 | Mai, Tan | Completed |
| 3 | The scope of the work (in brief) | 23-June-23 | 1 | Mai, Tan | Completed |
| 4 | Architecture and design of the system | 23-June-23 | 1 | Mai, Tan | Completed |
| 5 | Diagram of the website | 23-June-23 | 1 | Mai, Tan | Completed |
| 6 | Task Sheet | 23-June-23 | 1 | Mai, Tan | Completed |

|  |  |
| --- | --- |
| **Date:** | |
| Signature of Instructor:  **Ms. Le Mong Thuy** | Signature of Team Leader:  **Ngo Dinh Tan** |

# **SITE MAP**

A picture containing screenshot, text, rectangle, square

Description automatically generated

# **MOCK OF THE WEBSITE**

1. **Homepage**

A picture containing screenshot, line, rectangle, square

Description automatically generated

1. **Product Category**

**A picture containing square, screenshot, symmetry, rectangle

Description automatically generated**

1. **Product detail**

**A black background with white rectangles

Description automatically generated with low confidence**

1. **Blog**

A picture containing black, darkness

Description automatically generated

1. **A picture containing black, darkness

   Description automatically generatedSign up/Sign in**
2. **About us**

A picture containing black, darkness

Description automatically generated

1. **How to buy/ why to sell**

A picture containing black, darkness

Description automatically generated

# **TASK SHEET REVIEW 2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Ref. No.:**  **eP/Advertisement**  **Portal Management System/01** | | **Project Title:** | **Activity Plan Prepared By:** | **Date of Preparation of Activity Plan:** | | | |
| **Sr.**  **No.** | **Task** | **Actual Start Date** | **Actual Days** | **Team Mate Names** | **Status** |
| 1 | Site map | Auctions  Table | Mai, Tan | 29-May-23 | 1 | Mai, Tan | Completed |
| 2 | Mock of the website | 29- May -23 | 1 | Mai, Tan | Completed |
| 3 | Task sheet | 29- May -23 | 1 | Mai, Tan | Completed |

|  |  |
| --- | --- |
| **Date:** | |
| Signature of Instructor:  **Ms. Le Mong Thuy** | Signature of Team Leader:  **Ngo Dinh Tan** |

# **WEBSITE DESCRIPTION**

## Home Page

1. Description:

Home page display features just as follow

* Feature product like car, painting with price and time left before auction close.
* Latest Blogs.
* How to sell, how to buy.
* Search bar for quick navigation to specific item.

1. Screenshot

A screenshot of a website

Description automatically generated with low confidence

A screenshot of a computer

Description automatically generated with low confidence

A screenshot of a car

Description automatically generated with low confidence

A picture containing text, art, screenshot, poster

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

## Product Category

1. Description

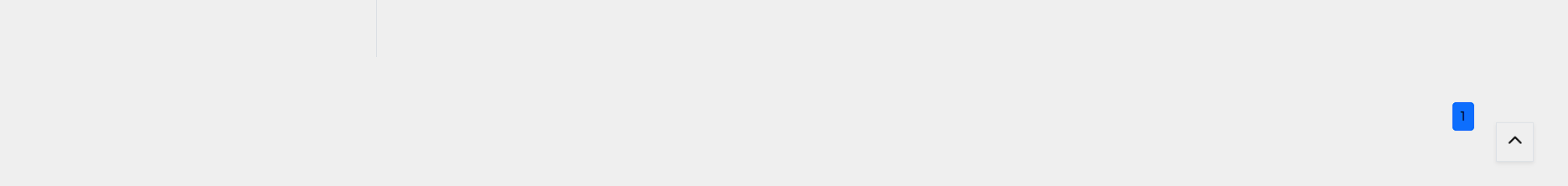
This page displays following information

* Multiple products by different categories.
* Current bid, bid status.
* A filter to sort out items based on different categories with.
* Status filter based on current timer status: “finished” or “ongoing”.

1. Screenshot

A picture containing text, screenshot, software, multimedia software

Description automatically generated



## Product

1. Description

This page displays following information:

* Images of product.
* Starting bid, current bid, bid status, current bid user, number of bids, number of views.
* Suggestion to sign up or sign in before bidding.
* A bidding procedure where user can place their bid when the timer of product still counting.
* Small summary for product.
* And a detail description about product.

1. Screen shot

A picture containing text, screenshot, design

Description automatically generated

A picture containing text, screenshot

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

## Blog Category

1. Description

This page displays following information:

Multiple blogs to read and created date.

1. Screen shot

A picture containing picture frame, art, text, collage

Description automatically generated

## Blog

1. Description

This page displays following information:

Detail blog article.

1. Screen shot

A picture containing text, screenshot, graphic design, art

Description automatically generated

## How To Buy/ Why to sell

1. Description:

Each page displays information about how to buy(bid) and why to sell with AuctionsTable.

1. Screenshot

A person in a red dress

Description automatically generated with low confidence

A picture containing text, screenshot, clothing, commencement

Description automatically generated

## Sign in

1. Description:

This page allow user to log in their accounts (each tab can have their own account).

1. Screenshot

A sign in to account

Description automatically generated with low confidence

## Sign up

1. Description:

This page allows users to create their own accounts to start bidding

1. Screenshot

A screenshot of a login form

Description automatically generated with medium confidence

## Disclaimer

1. Description:

This page displays AuctionsTable’s term of service and limitation.

1. Screenshot

A screenshot of a document

Description automatically generated with low confidence

## About us

1. Description:

This page shows brief information about us, our history, and team members.

1. Screenshot

A screenshot of a website

Description automatically generated with medium confidence

**Responsive**

The page has responsive features for small screen device such as smart phone, tablet, etc.

A picture containing text, human face, screenshot, person

Description automatically generated

# **JAVASCRIPT DESCRIPTION**

## AngularJS custom service

1. Description:
   * + This script is used to create custom services for efficiently transferring data between controller and avoiding duplication when working with nested controller
     + We have AuctionsItems, Category, UserData, BlogData to hold their respective data
2. A screenshot of a computer program

   Description automatically generated with low confidenceScreenshot

A screenshot of a computer program

Description automatically generated with low confidence

A screen shot of a computer code

Description automatically generated with low confidence

A screen shot of a computer program

Description automatically generated with low confidence

A picture containing text, screenshot, software

Description automatically generated

A screen shot of a computer code

Description automatically generated with low confidence

## Slider

1. Description:
   * + This script is used to create slider for items showcase at homepage.
     + We use slick jQuery plugin for this but slick doesn’t work properly with angularJS so we also use angular-slick-carousel plugin to fix slick jQuery and angularJS compatibility.
2. Screen shot

A screen shot of a computer screen

Description automatically generated with low confidence

## Sign in / Sign up Javascript

1. Description

This script is used to verify user sign in and sign up.

1. Screen shot

A screen shot of a computer program

Description automatically generated with low confidence

A screen shot of a computer code

Description automatically generated with medium confidence

A screen shot of a computer program

Description automatically generated with low confidence

## Timer / $interval

1. Description:

This script is used to create a timer which is our page main feature, and set $interval service for each of the item. And when time run out remove their $interval service.

1. Screen shot

A screen shot of a computer screen

Description automatically generated with low confidence

A screenshot of a computer program

Description automatically generated with medium confidence

## Timer randomizer

1. Description

This script is used to create a randomize timer for some of the item from 3 – 45 minutes when user open the page for the first time (reset localStrorage to start over).

1. Screen shot

A picture containing screenshot, text, font

Description automatically generated

A picture containing text, font, multimedia software, screenshot

Description automatically generated

## $http service asynchronous

1. Description

This script is used to retrieve Json data using $http service, but because $http service woks asynchronous, some of the data may not load properly when page is rendered, so we used asyn and await keyword to retrieve data from Json, when it’s done the page is reloaded again to make sure every data is loaded correctly when the page is rendered.

1. Screen shot

A screen shot of a computer program

Description automatically generated with low confidence

## Pagination

1. Description

This script is used to create a pagination for product categories. We combine Javascript with ng-repeat directive of angularJS.

1. Screen shot

A picture containing text, screenshot, software, multimedia software

Description automatically generated

A picture containing text, font, screenshot

Description automatically generatedA screen shot of a computer code

Description automatically generated with low confidence

A screen shot of a computer

Description automatically generated with medium confidence

A picture containing text, screenshot, font

Description automatically generated

## Category filter

1. Description

This script is used to create a filter for item in category combine with angular ng-repeat directive.

1. Screen shot

A screen shot of a computer program

Description automatically generated with low confidence

A screenshot of a computer program

Description automatically generated with medium confidence

A screenshot of a computer program

Description automatically generated with medium confidence

## Bidding

1. Description

This script is used to handle bidding process. We also use Javascript Window storage event to check for changing in localStorage so that we can update to newest bid across all tabs.

1. Screen shot

A screen shot of a computer program

Description automatically generated with low confidence

A screen shot of a computer

Description automatically generated with medium confidence

A screen shot of a computer code

Description automatically generated with low confidence

# **TASK SHEET REVIEW 3**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Ref. No.:**  **eP/Advertisement**  **Portal Management System/01** | | **Project Title:** | **Activity Plan Prepared By:** | **Date of Preparation of Activity Plan:** | | | |
| **Sr.**  **No.** | **Task** | **Actual Start Date** | **Actual Days** | **Team Mate Names** | **Status** |
| 1 | HOME | Auctions  Table | Mai, Tan | 30-May-23 | 1 | Tan | Completed |
| 2 | Json Data | 1-June-23 | 1 | Mai | Completed |
| 3 | Category | 2-June-23 | 1 | Tan | Completed |
| 4 | Product | 4-June-23 | 1 | Tan | Completed |
| 5 | Blog Category | 5-June-23 | 1 | Tan | Completed |
| 6 | Blog | 1-June-23 | 1 | Mai | Completed |
| 7 | Why to sell/how to buy | 19-June-23 | 1 | Mai | Completed |
| 8 | Sign in | 6-June-23 | 1 | Mai | Completed |
| 9 | Sign up | 6-June-23 | 1 | Mai | Completed |
| 10 | About us | 18-June-23 | 1 | Mai | Completed |
| 11 | Contact |  |  | 17-June-23 | 1 | Tan | Completed |
| 12 | Disclaimer |  |  | 17-June-23 | 1 | Mai | Completed |
| 13 | Responsive |  |  | 1-June-23 | 1 | Tan | Completed |
| 14 | Doc review |  |  | 19-June-23 | 1 | Tan | Completed |
|  | | | | | | | |

|  |  |
| --- | --- |
| **Date:** | |
| Signature of Instructor:  **Ms. Le Mong Thuy** | Signature of Team Leader:  **Ngo Dinh Tan** |