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## (NURSERY PLANTS)

A Case-Study Submitted for the requirement of  
**Technical Coding Research Innovation**

For the Internship Project work done during  
**FRONT-END WEB DEVELOPMENTP INTERNSHIP  
PROGRAM**

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## ABOUT ORGANIZATION

TCR Innovation stands for Technical Coding & Research Innovation. It is the best institute for industrial training and internship programs and believes in "bridging the gap between students and their knowledge in the industrial field & bringing them a step closer to their Dream. TCR Innovation focus on industrial training and offer Internship Programs where you can learn the in-demand professional skills to advance your career in Artificial Intelligence, Machine Learning, Deep Learning, Python with Automation, Computer Vision, Data Science, Digital Marketing, Python Programming, Software development, Database and more. TCR INNOVATION was founded in Feb 2020 by Rutuja Doiphode and Saheel Ramji. Their Internship Programs are specially designed so Interns can learn new skills or enhance their skills in the most efficient way. Interns are first trained by the Mentors in their applied Domain through Live Lectures. Comprehensive Notes & Study Materials are provided along with Intensive Training in the domain After the training Period is Completed, Interns are given the Opportunity to work on an Industrial-Level Project which will be the Project Phase and one of the most Important Phase of their Internship. The Training completion certificate along with the Internships Certificate are awarded after the Successful Completion of your Project with Letter of Recommendation.

## ABSTRACT

“As getting the information from various research papers and other sources we analysis that many peoples want to buy a plants and they directly concerned to nursery but sometimes people doesn't know specific information about particular plant items as well seller is not technically skilled. Customer doesn't compare plants pricing with different shopkeeper as well as in nursery there is no facility for online payment only cash may consume. So, in this case e-nursery is platform where customer can compare plants pricing and make online payment easily. Customer service is extremely important. We want each customer to have a pleasant shopping experience, and it is the intention of our staff to answer questions with expertise and to offer advice when we feel it is needed. Retain customers to generate repeat purchases and make referrals. Continue to expand daily sales by adding to the variety of plants we sell. Communicate with our customers through creative advertising.”

## I. INTRODUCTION

A nursery is a place where plants are propagated and grown to a desired age. They include retail nurseries which sell to the general public, wholesale nurseries which sell only to businesses such as other nurseries and to commercial gardeners, and private nurseries which supply the needs of institutions or private estates. Nurseries may supply plants for gardens, for agriculture, for forestry and for conservation biology. Some produce bulk stock, whether seedlings or grafted, of particular varieties for purposes such as fruit trees for orchards, or timber trees for forestry. Some produce stock seasonally, ready in springtime for export to colder regions where propagation could not have been started so early, or to regions where seasonal pests prevent profitable growing early in the season. Nursery is a place where planting material, such as seedlings, saplings, cuttings, etc., are raised, propagated and multiplied under favourable conditions for transplanting in prepared beds. The availability of quality and true-to-type planting material is the prerequisite of successful and remunerative ornamental crop production. Setting up of a nursery is a long-term venture, and requires planning and expertise. In a nursery, plants are nurtured by providing them with optimum growing conditions to ensure germination. Nursery saves considerable time for the raising of the next crop. Among flower crops, majority of the annuals are propagated by seeds and require a nursery for raising the seedlings. Herbaceous perennials need nurseries for sowing of seeds and planting of cuttings for rooting and establishment. Woody perennials are grown from seeds for multiplying the rootstocks from cuttings, layers and through grafts to perpetuate the same genetic properties.

## II. IMPLEMENTATION DETAILS

### HTML:

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as `<img />` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to interpret the content of the page. HTML can embed programs written in a scripting language such as JavaScript, which affects the behaviour and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

### CSS:

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like

HTML.CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. CSS information can be provided from various sources. These sources can be the web browser, the user and the author. The information from the author can be further classified into inline, media type, importance, selector specificity, rule order, inheritance and property definition. CSS style information can be in a separate document or it can be embedded into an HTML document. Multiple style sheets can be imported. Different styles can be applied depending on the output device being used; for example, the screen version can be quite different from the printed version, so that authors can tailor the presentation appropriately for each medium. The style sheet with the highest priority controls the content display. Declarations not set in the highest priority source are passed on to a source of lower priority, such as the user agent style. The process is called cascading. One of the goals of CSS is to allow users greater control over presentation. Someone who finds red italic headings difficult to read may apply a different style sheet. Depending on the browser and the web site, a user may choose from various style sheets provided by the designers, or may remove all added styles and view the site using the browser's default styling, or may override just the red italic heading style without altering other attributes.

### JS:

JavaScript is a high-level, interpreted scripting language that conforms to the ECMAScript specification. JavaScript has curly-

bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it, and major web browsers have a dedicated JavaScript engine to execute it. As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features. Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases, and in non-web programs such as word processors and PDF software, and in runtime environments that make JavaScript available for writing mobile and desktop applications, including desktop widgets. The terms Vanilla JavaScript and Vanilla JS refer to JavaScript not extended by any frameworks or additional libraries. Scripts written in Vanilla JS are plain JavaScript code. Google's Chrome extensions, Opera's extensions, Apple's Safari 5 extensions, Apple's Dashboard Widgets, Microsoft's Gadgets, Yahoo! Widgets, Google Desktop Gadgets, and Serence Klipfolio are implemented using JavaScript.

### BOOTSTRAP

Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website. It is absolutely free to download and use. It is a front-end framework used for easier and faster web development. It includes HTML and CSS based design templates for typography, forms, buttons,

tables, navigation, modals, image carousels and many others. It can also use JavaScript plug-ins. It facilitates you to create responsive designs. Bootstrap was developed by Mark Otto and Jacob Thornton at Twitter. It was released as an open-source product in August 2011 on GitHub. In June 2014 Bootstrap was the No.1 project on GitHub.

Following are the main advantage of Bootstrap:

1. It is very easy to use. Anybody having basic knowledge of HTML and CSS can use Bootstrap.
2. It facilitates users to develop a responsive website.
3. It is compatible on most browsers like Chrome, Firefox, Internet Explorer, Safari and Opera etc.

## Case Study

Title: Nursery Plants

Objective: To understand the concepts of HTML, CSS and Js by creating websites.

Software used: VS code

### III. 1.1 Methods

Nurseries grow plants in open fields, on container fields, in tunnels or greenhouses. In open fields, nurseries grow decorative trees, shrubs and herbaceous perennials. On container field nurseries grow small trees, shrubs and herbaceous plants, usually destined for sales in garden centers. These have proper ventilation, sunlight etc. Plants may be grown by seed(s). The most common method is by cutting plants/plant cuttings. These can be taken from shoot tips or from roots etc. By these methods plants are grown in nurseries and gardens.

### III 1.2 Conditioning

With the objective of fitting planting stock more ably to withstand stresses after out planting, various

nursery treatments have been attempted or developed and applied to nursery stock. Buses and Day (1989), for instance, studied the effect of conditioning of white spruce and black spruce transplants on their morphology, physiology, and subsequent performance after out planting. Root pruning, wrenching, and fertilization with potassium at 375 kg/ha were the treatments applied. Root pruning and wrenching modified stock in the nursery by decreasing height, root collar diameter, shoot: root ratio, and bud size, but did not improve survival or growth after planting. Fertilization reduced root growth in black spruce but not of white spruce. Nursery stock size typically follows the normal curve when lifted for planting stock. The runts at the lower end of the scale are usually culled to an arbitrary limit, but, especially among barefoot stock, the range in size is commonly considerable. The stock was regarded into large, medium, and small fractions according to fresh weight. The small fraction (20% of the original stock) had barely one-quarter of the dry matter mass of the large fraction at the time of out planting. Ten years later, in the blade-scarified site, seedlings of the large fraction had almost 50% greater stem volume than had seedlings of the small fraction. Without site preparation, large stock was more than twice the size of small stock after 10 years.

## V. PROBLEM STATEMENT

Many people want to buy plants and they directly concerned to the nursery and buy the plants but sometimes people doesn't know specific information about particular plant items as well as seller which are not technically skilled. Customer does not compare plant price with other shopkeepers at the same time .In nursery there is no facility for online payment only cash may be consumed. We cannot purchase plants through online mode. Limited customers reached to the nursery because sometime customer need to travel



for long distance as nursery is far from their home. The system has the provision of orders entered by the clients along with their contact details, grading specifications, special services, job codes, and amount of request. After an order is entered, an order confirmation report will be sent to the client for review. When all orders have been entered, a surplus for sale report will be created.

## VI. PROPOSED APPROCH

Collecting the information from various research papers and other sources. We analysis that many peoples want to buy plants and they have to directly concern with the nursery. Sometimes people do not know specific information about particular plant items as well as seller is not technically skilled. Customer does not compare plants prices with different shopkeeper and there is no facility for online payment only cash may consume. So, in this case e-nursery is platform where customer can compare plants pricing and make online payment easily. Customer service is extremely important. We want each customer to have a pleasant shopping experience, and it is the intention of our staff to answer questions with expertise and to offer advice when we feel it is needed. Retain customers to generate repeat purchases and make referrals. Continue to expand daily sales by adding to the variety of plants we sell. Communication with our customers through creative advertising. Customers can buy plants from their home. Customers can view a large number of plants available in a nursery. When an admin decides to check out the order, then information including the buyer's name, address and billing instruction is record in system for future references.

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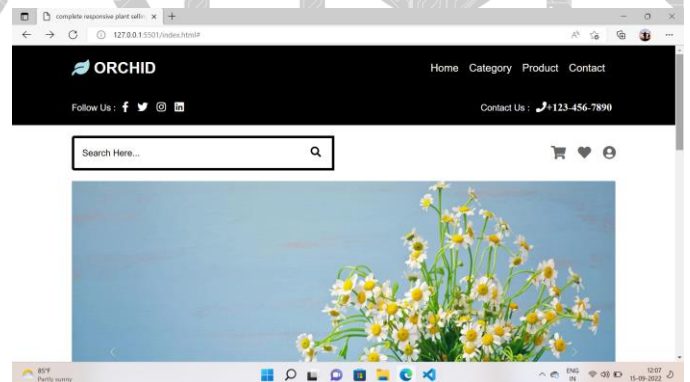
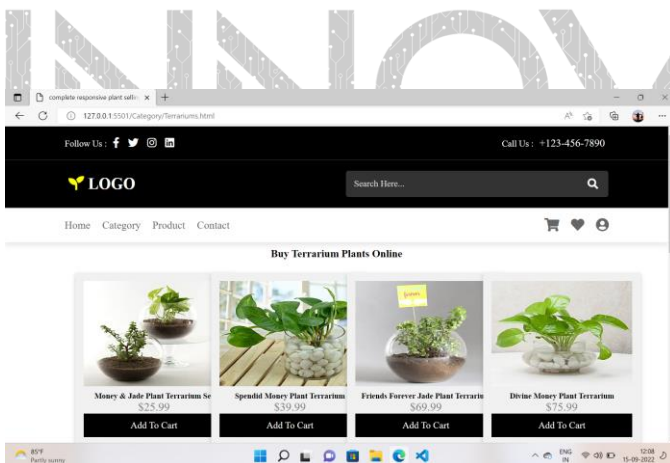
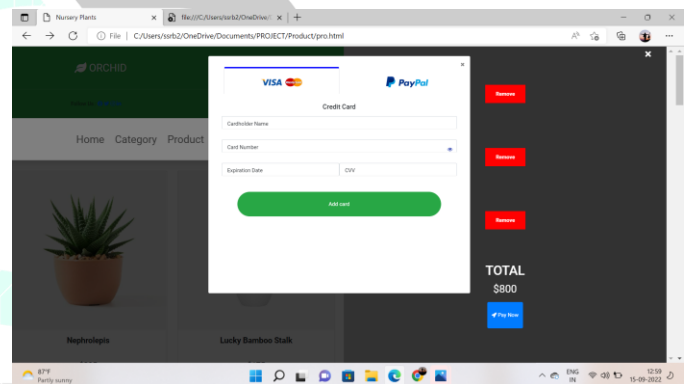
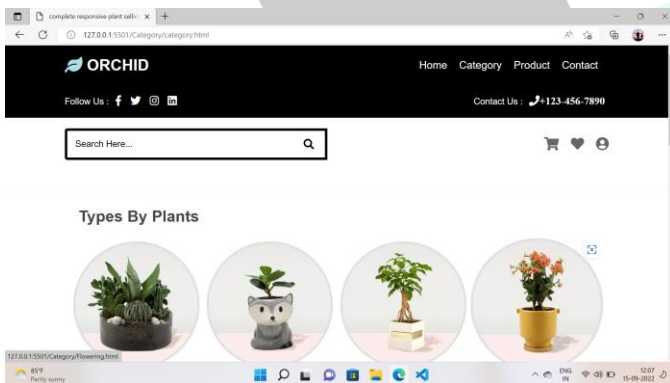
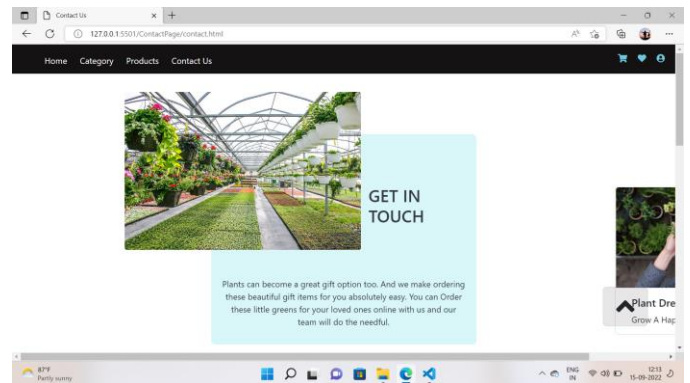
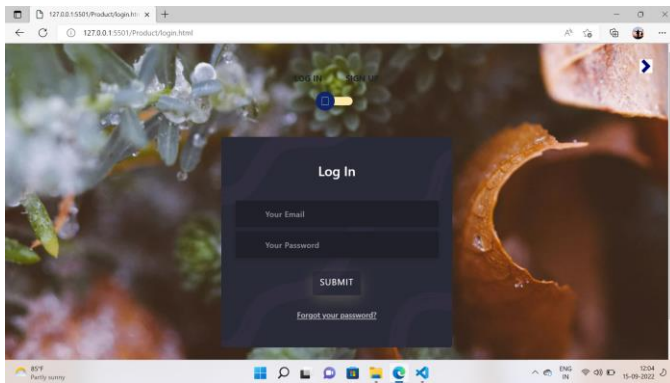
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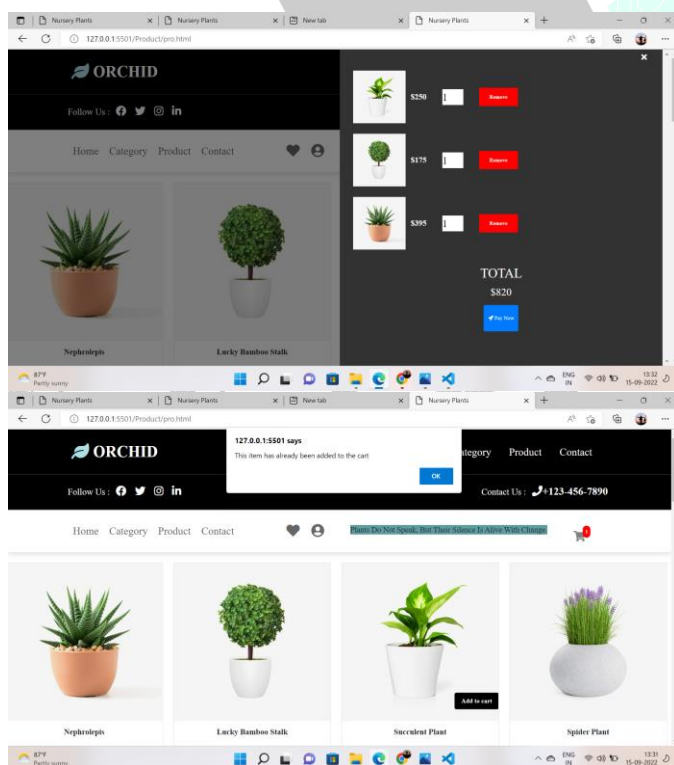
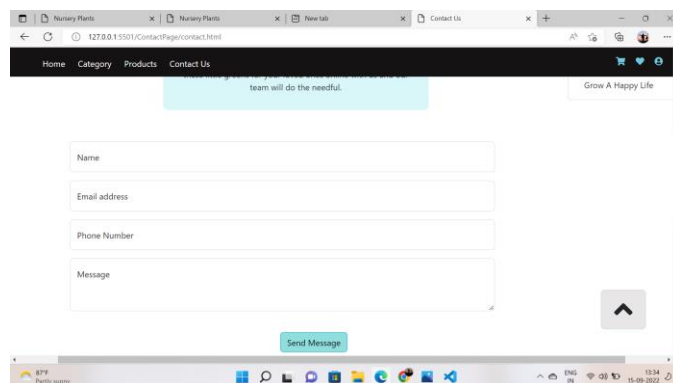
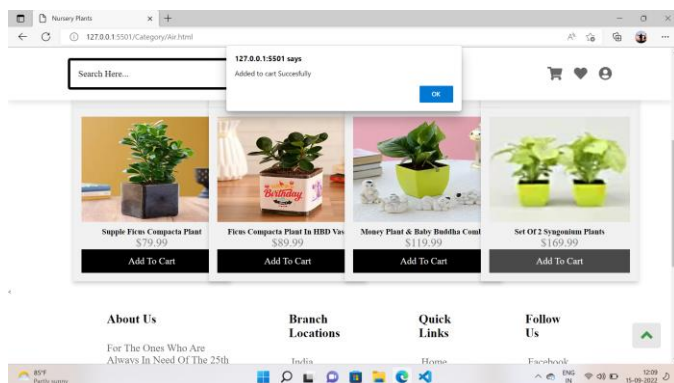
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## OUTPUT SCREENSHOTS



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## CONCLUSION

The proposed system can guarantee to keep the records are safe and privacy which is stored in the database. It converts unstructured data into structured data and sorted format. It is very helpful, reliable and performs well functional to get an alert message and emails on the cell phone. In this dissertation, we have developed an approach to allow customers to buy plants without even visiting shop. Being able to buy anytime, anywhere, any place. Site enables them to browse before they shop, and to research the product so they have more confidence in what they are buying. Online shopping becomes more enjoyable and easier than real- world shopping. It provides online payment system. Customer can track their order detail and give the feedback if any problem occurs during shipment.