E-Gardening Application for Roof Tops Using Android

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Abstract

The gardening field has a very large amount of need to the society as now a day’s only the greenery is best for a healthy living. This venture depends on the business exchange of things in a general store. The main movement depends on adding the things to the framework alongside the rate which are available in the market and the name of the things which the store will consist of a basic offer. The admin is in charge of all the data upgradation, deletion, and editing. The client need to enter his/her details to login and to view and to request for the requirement and send the request [2].

1. Introduction

In the recent statistics as everyone is interested in setting up a garden in their own houses for healthy living and is much organized [1] [7]. As the society is become bigger and larger here many of the buildings are build with less space in the front so they might not get disappointed as they couldn’t set up a garden and plant trees. The garden can be is set up according to their needs even in a small square feet of about 150 sq. ft. too [14]. That’s why the roof top garden is set up to help the people to get rid of disappointment and compared to the regular garden the rooftop is much more healthier and helps to analyze the requirements and analyze the personal needs and even for a natural and a healthy living the roof garden can u used [5]. In this method what is actually done is an android web application is created and then there are two faces one is the admin and the client [6]. Here the admin uploads, edits, deletes the details which are to be shown to the client side. Here the client has to login to the application by using the name, mobile number, OTP generation and its according to their will [8]. Once if registered there is no need to re-register again the same details can be used to login again. Once after the verification process is done then the client is allowed to login into the page and then view the partners linked (nurseries) with the application and let’s to choose which is best according to the requirement and needs [10].

After viewing the nurseries the clients can choose the appropriate details in the form of a text box where the details are uploaded and then analyzed [6]. Then, the client can send request to the admin regarding the requirement for a roof top garden set up and to analyze that the details sent is according to the clients needs and requirement and the satisfaction is very much important [9]. So once the admin receives the request then the admin will analyze the proper requirement from the client side and then send the details according to it to the client. Therefore, there occurs a client to admin interaction and the process is completed. It incorporates the two deals and buy of things [8]. The task E-Gardening is produced with the goal of making the framework dependable, quick, and more enlightening [12]. There is a considerable measure of explanation behind the presentation of this venture In the manual System, there are number of wasteful aspects that a sales person faces. Substantial must be kept up where applicable and insignificant data must be put away which is extremely chaotic and awkward process [7]. In any case, our System decreases paper takes a shot at the other hand; there are numerous inherent problems that exist in any manual framework [10]. For the most part, they need effectiveness. Less efficiency greatly affects the profitability of any individual staying up with the latest. The predominance of shrewd cell phones has advanced the notoriety of versatile [11]. The application it can store the related data to cloud. To concern administrator to transfer the result of our points of interest and we can store and view the worry client of my watcher the proposed level undertaking the current level of venture full and completely is physically called as the E-Gardening [13]. One of the problem faced by people living in cities is lack of time. Many people have gardens in their homes. Maintenance of these gardens is tedious and time consuming task [14].

2. Existing System

In the current existing system it is in the form of the data entry in the ledgers, books and all things like that. Everything is hand done and manually it is analyzed and calculated and maintained. These details are being processed and sent through various verification methods and cross checking and such similarities [14]. The existing system is not much useful in the current stage for the reason that people have their priorities and commitments hence it leads to having very minimum time to calculate and write their details in ledger books and so on. Hence, it is being analyzed according to their own way and rectified. Many cheatings and frauds cannot be recognized [13]. A mechanism is to be present, proper procedure to implement them and to analyze them. In this method it normally takes a lot of time to travel and then reach the proper destination. That to may be in a day we can visit only to one spot and for cross checking the details it might take another
Much more time is being required to do this current methodology. Data’s are being driven and analyzed only after the booking of them. So this method cannot be useful to all working and social people cause time is very important in today’s life.

Disadvantages of Existing System

- Consume a lot of time.
- At times the books and data’s noted are being lost.
- Not safe to store records.
- Not suggested to all.

3. E-garden System

Here, this method is totally opposite to the current existing system cause where all the data’s, information, products sold are put up and accounted manually here it is done electronically. There is no need for managing them in the form of book or ledger or others. This proposed system is full based on electronic gardening in other words “e-gardening”. From the data uploading, editing, deleting giving the proper details to the customer everything is done automatically and it is all done electronically. Even the conversation is done electronically. This is a very simple method and saves a lot of time [13]. The venture depends on the business exchange and charging of things in a general store. The main movement depends on adding the things to the framework alongside the rate which are available in the market and the name of the things which the store will consent to offer. This specialist is offered just to administrator or overseer. Any alterations to be done in the thing name and the rate should be possible just by administrator. He additionally has the privilege to erase any thing[14]. As the client purchases the items and goes to the charging counter, the client should enter the thing name he acquired and the amount of the thing he had obtained. This isn’t a tremendous an assignment. If interested the contract based gardening is also suggested where a contract is signed between the client and the admin for about 1 month to 12 months (one year) and fully from sand maintenance, pesticides, watering accordingly, fertilizers all are initialized and processed completely.

3.1. Architecture of E-Garden System

This is how the process is done and all the data’s are stored in the cloud and it is being retrieved only when it is required and the operation is done electronically only the request and response is being done manually. All the others are done electronically only.

3.2. S

<table>
<thead>
<tr>
<th>Table 1: Plantation and Maintenance Per Area in sq. ft</th>
<th>Square Feet</th>
<th>150 SQ FT</th>
<th>500 SQ FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plantation</td>
<td>3-4 varieties</td>
<td>6-8 varieties</td>
<td>10 varieties</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Must be watered and taken care in proper temperature.</td>
<td>Must be watered regularly and maintained properly.</td>
<td></td>
</tr>
</tbody>
</table>

3.3. Advantages of E-Garden System

The mobile application can be used in travel too. The application has proved to be cost and time efficient. The application is user friendly and doesn’t require much space or memory.

<table>
<thead>
<tr>
<th>Table 2: Types of plants per area in sq. ft</th>
<th>Square Feet</th>
<th>150 SQ FT</th>
<th>300 SQ FT</th>
<th>500 SQ FT</th>
<th>1000 SQ FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruits</td>
<td>3-4 varieties</td>
<td>6-8 varieties</td>
<td>10 varieties</td>
<td>Max 20 varieties</td>
<td></td>
</tr>
<tr>
<td>Vegetables</td>
<td>3-4 varieties</td>
<td>6-8 varieties</td>
<td>10 varieties</td>
<td>Max 20 varieties</td>
<td></td>
</tr>
<tr>
<td>Flowers</td>
<td>3-4 varieties</td>
<td>6-8 varieties</td>
<td>10 varieties</td>
<td>Max 20 varieties</td>
<td></td>
</tr>
</tbody>
</table>

Here, a rough calculation is given and according to this only then the plotting can be separated and then analyzed. Many varieties of flowers and vegetables can be planted and analyzed.

4. Results and Discussion

The application has improved the performance and reduces time of the clients and vendors with the administrator to give an solution to implement roof top gardens with e-garden.

5. Conclusion

In the existing system if u refer it takes a lot of time and the process is very long and require proper maintenance if not it is not acceptable. So, to avoid those situations we need to use the electronic garden which manages all the files and stores and analyze them only when required and so we use the e-gardening to
maintain and manage the garden with the ferns and the maintenance.

6. Future Scope

This electronic application can be viewed and then in future it can be hosted in the cloud cause it has a good market in the current statistics of life. The implementation can be done and managed in a proper format and analyzed in the designing and creation of the web application and so on referring the recent statistic at that moment.

References


