

# ANDROID APPLICATION ON RESTAURANT MANAGEMENT

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**Abstract** - Online FOOD ORDER SYSTEM is Associate in nursing app designed primarily to be used at intervals the food delivery business. This methodology will modify hotels and restaurants to increase scope of business by reducing the labor worth involved. The system together permits to quickly merely and easily} manage an internet menu that customers can browse and use to place orders with simply few clicks. Building workers then use these orders through a simple to navigate graphical interface for economical method. In concern with delivery of foodstuff in an exceedingly} very specific region for a selected time span we've got an inclination to use the methodology of Route Delivery. Whenever there is a discussion of automobile routing downside, there is invariably a mention of the travel employee downside (TSP). This downside is assumed to be the general of the vehicle routing downside. Innovative ways to order food area unit obtaining used one such is speech recognition ordering. To convert speech to on-screen text or a laptop command, a laptop ought to bear several sophisticated steps. Once you speak, you turn out vibrations at intervals the air.

## 1. INTRODUCTION (Size eleven, principality font)

When it involves managing a building, one wants many expertise and mind toiling labor. Several aspects ought to be handled quickly. There was an enormous demand for Associate in Nursinging app that may do this all. So, we've got an inclination to style a multi-faceted building management app which could assist building householders, workers and customers all at constant time. We will be developing associate building management app that has three applications. Shopper Loyalty App, it notifies customers of rewards and discounts. Area and E-menu App that informs chefs and waiters for every new order. At constant time, the shopper can see E-Menu exploitation this app. Job Seekers and building Owner App that helps building householders to go looking out the jobseekers. Its employment portal for all UN agency needs to work at intervals the building business. Web application development is that the creation of application programs that reside on remote servers and area unit delivered to the user's device over internet. This method will modify hotels and restaurants to increase scope of business by reducing the labor worth involved. The system

together permits to quickly merely and easily} manage an internet menu that customers can browse and use to place orders with simply few clicks. On-line ordering system that i am proposing here, greatly simplifies the ordering methodology for every the shopper and so the building.

The end users: -

- a. Owner.
- b. Supervisor.
- c. Customer.
- d. Deliverer.

## 2. LITERATURE SURVEY

[1]. Analysis and Application of internet Development supported ASP.NET 2.0+Ajax. Ajax could also be a brand new construct of internet application development projected in 2005. It is the style of Asynchronous JavaScript and XML. Once Ajax appeared, it's rapidly applied to the fields of internet development. Ajax application is totally different from the quality internet development model, exploitation asynchronous interaction. The patron unnecessarily waits whereas the server processes the information submitted. That the utilization of Ajax can turn out internet bug that's direct, much offered, richer, further dynamic and nearer to a neighborhood desktop application. This text introduces the foremost technology and superiority of Ajax foremost, so practices internet development exploitation ASP.NET 2.0 + Ajax. Throughout this paper, Ajax is applied to the online web site pass that allows user to possess higher registration experience and enhances the user's enthusiasm. The registration functions area unit raised greatly in addition. The experiments show that the Ajax internet application development model is superior to the quality internet application development model significantly. The helpful richness and speedy responsiveness of desktop application area unit invariably goals of internet application development. Java-based desktop applications with the advantage of one-site aggregation but multi-sites running sweep the markets of

enterprise desktop application since Sun Microsystems projected Java in mite 1995. But in Feb.2005, once the Ajax emerges and rapidly applies to the fields of internet development, the new generation of internet application system can respond further agilely, act earlier, produce user-experience bounteously. The web2.0 application supported Ajax becomes a powerful rival to Java-based desktop application.

[2] Eatlex.com: on-line Food Delivery Service. Average Indian spends around twenty fifth of financial gain on food and beverages. However sensible food isn't present. So, to create sensible food offered at one's doorsill we have a tendency to start {an online|a net|an internet} food delivery service through a really reliable and secured web application eatlex.com. Eatlex.com has the foremost famed restaurants within the town and a good form of food things. A user will order his/her favorite food following simple steps. He/she will select an edifice of his alternative and bear all the food things it provides. He/she then, will choose the food things and add them to cart. Currently he/she should proceed to payment. Currently he/she will get pleasure from their favorite food while not ever exploit lounge. Eatlex.com may be a dynamic net application in-built python primarily based Django framework with powerful side. Eatlex.com have a multi-vendor system with user friendly dashboard. It's conjointly SSL certified. It's hosted on a Virtual personal Server (VPS). It's payment integration of PayUmoney. Eatlex.com is lightning quick and optimized okay for search engines. From this project, we have a tendency to hope to create a revolutionary food delivery service.

[3] 2.3. Cross-Platform Development for a web Food Delivery Application. Widespread use of varied mobile in operation systems like golem and iOS, applications in these sectors have gotten a lot of significance than ever. Since every of those platforms needs differing kinds of programming information, developers have to be compelled to pay abundant time and price to create app for separate platforms. So, so as to mitigate these issues, internet primarily based answer will be used. Cross platform development is helpful as a result of user will write their code in one language which will simply be compiled to multiple platforms, i.e. platform freedom will be achieved. During this case, we have a tendency to use a food delivery application, wherever the appliance front is developed exploitation PhoneGap furthermore as AngularJS, jQuery mobile for optimum performance and backend is developed for internet services exploitation PHP, JSON and MySQL. We have a tendency to introduce approaches within the field of crossplatform app development exploitation PhoneGap framework. A sultion to create applications for multi-platforms exploitation PhoneGap framework that use internet technologies hypertext mark-up language, CSS and JavaScript has been projected. Thus, time furthermore as value of developers are reduced. We have tested the well-known applications for feasibleness study named Foodpanda, Hungrynaki that square measure unremarkably employed in East Pakistan. We've used hypertext mark-up

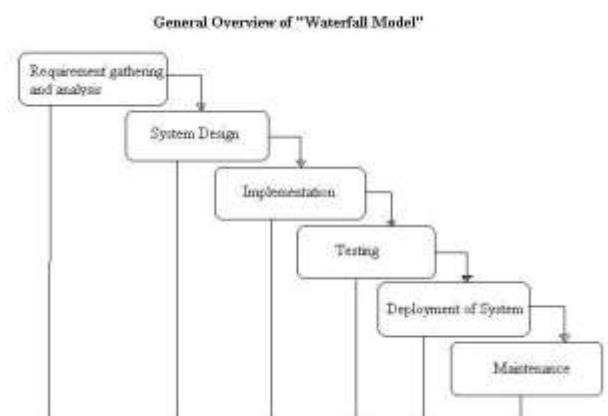
language, CSS, JavaScript primarily based PhoneGap framework that is renowned .With the straightforward method of developing, we've created the appliance during a short time and it additionally outperforms alternative applications in terms of value profit analysis. The appliance will run in varied platform furthermore as browsers with the minimum developer effort. It will be thought-about to be one in all the best blessings. The appliance works well in real device instead of machine. The appliance is made just for golem platform which might be extended in future.

### 3. MOTIVATION:

We at Squeezeo Foods, believe that life is that the best gift of nature, and that we solely get one. Hence, we have a tendency to should build the simplest out of it and to measure a protracted and smart life we have a tendency to should pay attention of our physical and psychological state and welfare. We have a tendency to all apprehend for a truth that; we have a tendency to square measure WHAT we have a tendency to EAT. Thus here we have a tendency to square measure, delivering to you the simplest healthy salads in Pune. By best healthy Salads, it's not simply the style or the standard, and that we try and build the expertise higher. Healthy food is often thought-about to be tasteless and overpriced however here is wherever we've helped folk's modification people's perception towards healthy food. Squeezeo Foods is proprietary authority of Calmness Corporation. Our company's mission is to inspire folks by creating them aware of the advantages of living a healthy life and to form healthy food out there to anyone and everybody in Pune.

### 4. ANALYSIS MODEL:

We are using waterfall model for our project.



#### 1. Demand gathering and analysis:

In this step of falls we have a tendency to tend to ascertain what square measure various wants square measure need for our project such square measure software system package and hardware required, database, and interfaces.

## 2. System Design:

In this system vogue half we have a tendency to tend to vogue the system that's positively understood for user i.e. user friendly we have a tendency to tend to vogue some UML diagrams and information programming language to understand the system flow and system module and sequence of execution.

## 3. Implementation:

In implementation a part of our project we've enforced various module required of successfully getting expected outcome at the varied module levels. With inputs from system vogue, the system is initial developed in small programs mentioned as units, that square measure integrated among consequent half each unit is developed and tested for its usefulness that's spoken as Unit Testing With inputs from system style, the system is initial developed in little programs known as units, that square measure integrated within the next section. Every unit is developed and tested for its practicality that is mentioned as Unit Testing.

## 4. Testing:

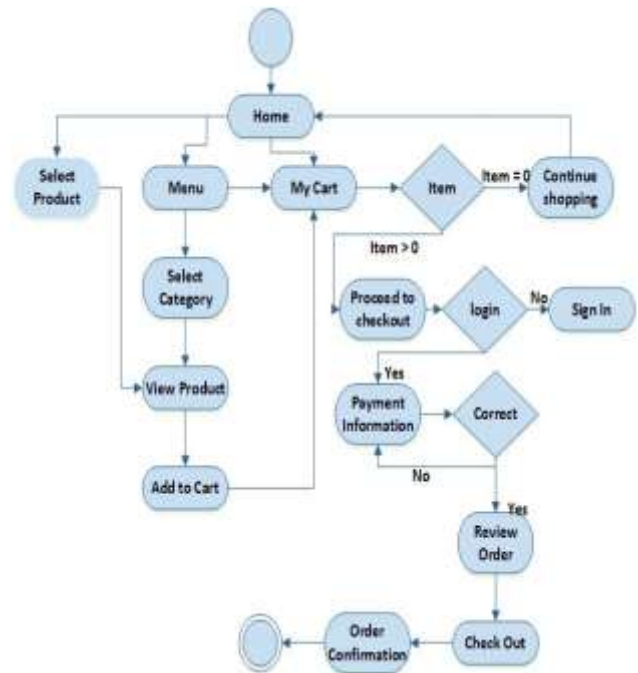
The different check cases square measure performed to see whether or not or not the project module square measure giving expected outcome in assumed time. All the units developed among the implementation half square measure integrated into a system once testing of each unit. Post integration the full system is tested for any faults and failures.

**5. Readyng of System:** Once the practical and non-functional testing is completed, the merchandise is deployed within the client setting or discharged into the market.

**6. Maintenance:** There square measure some issues that return up among the buyer surroundings to fix those issues patches square measure discharged co-jointly to spice up the merchandise some higher versions square measure discharged. Maintenance is finished to deliver these changes among the shopper surroundings of those phases square measure cascaded to each totally different throughout that progress is seen as flowing stabilise form of a falls through the phases. Guaranteeing half is started only once the made public set of goals square measure achieved for previous half and it's signed off, so the name "Waterfall Model" throughout this model phases do not overlap.

## 5. SYSTEM DESIGN:

### Flow Chart:



## 6. CONCLUSION AND FUTURE SCOPE:

This project explores the growth of such online food delivery companies in India, the current competition and how this affects the brick-and-mortar restaurant business in India. The urban lifestyle of the ordinary Indian is dramatic enough to be favorable for the food- on-the-go and home delivery models to grow at high rates. The web application is scalable and can be extended to number of cities. It is backed up to with a robust business model and lean approach. With the simple way of developing, we have made the application in a short time and it also outperforms other applications in terms of cost benefit analysis.

E-commerce in India is expected to grow from US \$2.9 billion in 2013 to a mammoth US \$100 billion by 2020, making it the fastest growing e-commerce market in the world! E-commerce is also witnessing a spurt in online food & restaurant service companies, which is expected to reach \$2.7 billion by 2019. This white paper explores drivers of the growth of such online food delivery companies in India, the current competition and how this affects the brick-and-mortar restaurant business in India. The urban lifestyle of the ordinary Indian is dramatic enough to be favorable for the food- on-the-go and home delivery models to grow at high rates. The ever-increasing population crowded metro cities and longer travel times are drivers for the convenient, ready-to eat and cheaper options of having food and groceries delivered at your doorstep. Companies that are aware of the huge potential for growth may venture straight in, but only the fittest will survive. Businesses who keep their value proposition and their brand active in consumer's minds, will take the biggest share of the Indian online food

service pie. The web application is scalable and can be extended to number of cities. It supports up to 2 million products. It is also mobile compatible. It is backed up to with a robust business model and lean approach. The cost for the development of the application is very low that makes it cost effective. The use of "eatlex.com" results in higher order accuracy and improved efficiency

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