

# JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY



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# Placement Assured

## ABSTRACT :

## FOUR MAIN SECTIONS:

In the First section, the user can connect with people working in various companies, the alumni of his college and see their current and past work details. The user can go to their timeline and see their updates for guidance.

Apart from PHP we plan to use AJAX/XML, JAVASCRIPT for this section.

The page will also have chat feature wherein users could interact with their seniors/colleagues.

In the second section user can have the option to buy practice/study material for company interview process.

It will contain study material covering all the major topics on which the questions are asked during the written exams as well as the interview.

There will be a number of filters which will help the students in finding the apt study material.

Based on the customer reviews, the most popular eBooks will also be displayed,

the user can also compare product prizes from flipkart website,or can order books from amazon and ebay from placement assured website.

This section will use AJAX for search box, various sorters like price sorting/subject sorting, PHP for displaying products and availability.

In the third section a user can practice past year interview coding question (MCQ) to boost his performance in various genres like aptitude ,technical etc. This will involve database handling.

In the fourth section a user can look up the information of companies and their placement criteria. A user can also look when the recruitments to a particular company are open. It will display information of companies that the user has liked based on his interest.

## OBJECTIVES :

- *We intend to make a website that will help the students in finding appropriate placement for them.*
- *The information available on the internet is scattered and does little help to them. We therefore aim at making the placement procedure easier for the students through correct guidance as well as sufficient resources*
- *To offer the appropriate study material covering all major topics on which the questions are asked, mock tests and interview guides.*

## CLEAR DIVISION OF PROJECT WORK

### PART B:

### Aryan Jadon Part in project

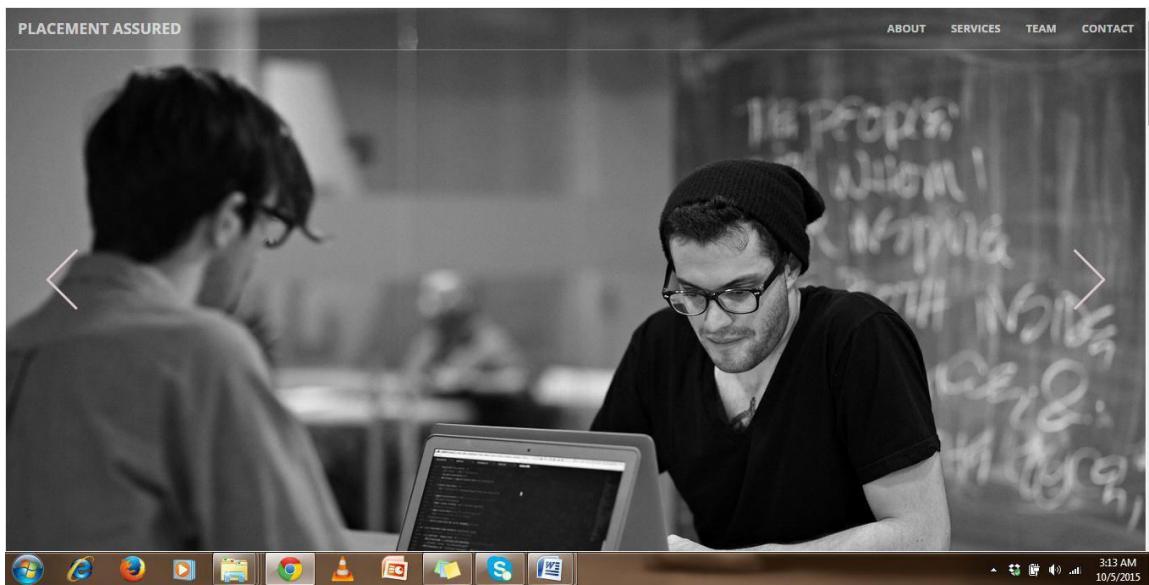
I've been involved in developing STUDY MATERIAL PART of the project.

I used PHP,JAVASCRIPT,JQUERY,BOOTSTRAP for designing and developing the part.

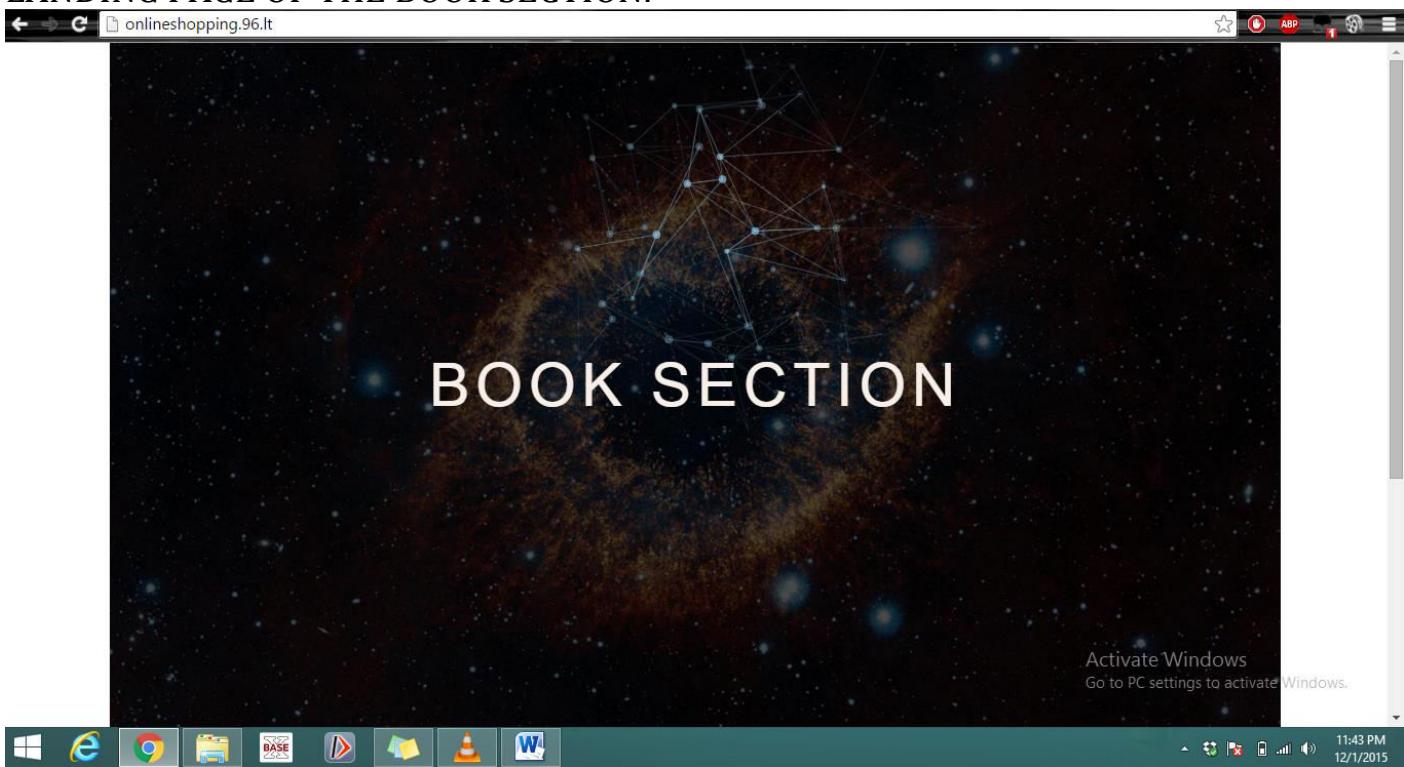
### MY PART:

- a)Designing user interface of the Placement Assured website.(Front end).
- b)Designing Buying Study material Part of the website.(Front end).
- c)Back end of study material part of the website.
- d)Maintaining the Database Of the Study material Part.
- e)Crawling and Scrapping In the Study material part of the website.
- f)Comparing Prizes From Flipkart of the Product in the website.
- g)Crawling From amazon.in and ebay.in of specific products in the website.
- h)Pay Pal Integration With the Website.

## LANDING PAGE OF THE WEBSITE:



## LANDING PAGE OF THE BOOK SECTION:



## **EXPLANATION OF THE FUNCTIONALITIES INCLUDED:**

### **1) Sort Books According to the Book Category wise:**

The screenshot shows a web browser displaying a shopping cart page from "onlineshopping.96.lt/part1/index.php?cat=7". The title bar reads "Placement Assured Book Section". The user is logged in as "abc@gmail.com". The shopping cart details show "Total items: 6" and "Total Price: RS.2900". Below the cart, three book covers are displayed: "Data Structures and Algorithms Made Easy" by Narasimha Karumanchi, "Human Resource Management" by Shikha Taneja, and "Data Structures and Algorithms Made Easy in JAVA" by Narasimha Karumanchi. A navigation bar at the bottom includes links for "BOOKS CATEGORY:" (Engineering Books, Management Books, Interview Books, Aptitude Books), "AREAS:" (Computer Science, Programming, Accounts, Business Laws), and "Activate Windows". The taskbar at the bottom of the screen shows various application icons.

### **2) Sort Books According to the Area wise:**

The screenshot shows a web browser displaying a shopping cart page from "onlineshopping.96.lt/part1/index.php?brand=10". The title bar reads "Placement Assured Book Section". The user is logged in as "abc@gmail.com". The shopping cart details show "Total items: 6" and "Total Price: RS.2900". Below the cart, two book covers are displayed: "MANAGING BUSINESS PROCESS FLOWS" by Ravi Agarwall, Sanjiv Chopra, Sudhir D. Deshmukh, and "Human Resource Management" by Shikha Taneja. A "Business Management" book is also listed with a price of "RS 800". Below each book, there are "Add to Cart" buttons, "Details" links, and "Try Preview" links. A navigation bar at the bottom includes links for "BOOKS CATEGORY:" (Engineering Books, Management Books, Interview Books, Aptitude Books), "AREAS:" (Computer Science, Programming, Accounts, Business Laws), and "Activate Windows". The taskbar at the bottom of the screen shows various application icons.

### 3)Details Page Of The Book

The screenshot shows a web browser window with the URL [onlineshopping.96.lt/part1/details.php?pro\\_id=22](http://onlineshopping.96.lt/part1/details.php?pro_id=22). The main content is a book cover for "MANAGING BUSINESS PROCESS FLOWS, PRINCIPLES OF OPERATIONS MANAGEMENT, THIRD EDITION". The cover features a colorful abstract design at the top and the authors' names at the bottom. Below the cover, the price is listed as RS 800. A descriptive text follows: "Management in businesses and organizations is the function that coordinates the efforts of people". The page includes a navigation bar with "BOOKS CATEGORY:" (Engineering Books, Management Books, Interview Books, Aptitude Books), "AREAS:" (Computer Science, Programming, Accounts, Business Laws), and links for "Activate Windows" and "CHECK OUT". The system tray at the bottom shows various icons and the date/time as 11:50 PM 12/1/2015.

### 4)Compare Prices From FLIPKART: You can Compare book prices available on placement assured and on Flipkart.

The screenshot shows the Flipkart website. At the top, there's a banner with a cat wearing sunglasses and the text "COMPARE PRICES FROM FLIPKART!!". The navigation bar includes "PLACEMENT ASSURED", "Search", "Submit", "HOME", "BOOKS", "CART", and "CHECK OUT". Below the banner, a section for "Engineering Books" lists a book titled "Programming Windows Phone 7, Microsoft Silverlight Edition PB (English)" with a price of Rs. 699.00. Further down, another book listing for "KVS Teachers (PGT) Computer Science Exam Guide 2015" by RPH Editorial Board is shown, along with its price of Rs. 337.00. At the bottom, a third book listing for "GATE-16 Computer Science & Information 2015" by ACE Engineering Team is displayed, also with a price of Rs. 465.00. Each listing includes a small thumbnail image of the book cover.

5)Crawling From Amazon And Ebay: You can Choose Books From Amazon and Ebay if you want to.

The screenshot shows a web browser window with the URL [onlineshopping.96.lt/part2/crawlingamazon.php](http://onlineshopping.96.lt/part2/crawlingamazon.php). The page displays two book products:

- Handbook of Computer \$** (2013)  
by Arihant Experts  
**Paperback**  
132.00 200.00 Fulfilled  
You Save: 68.00 (34%)  
More Buying Choices  
132.00 offer(11 offers)  
4.2 out of 5 stars 56  
Cash on Delivery eligible.
- GATE Guide Computer Science & Information Technology Engineering 2016**  
29 March 2015  
by GKP  
**Paperback**  
365.00 845.00 Fulfilled  
You Save: 480.00 (57%)  
More Buying Choices  
360.00 offer(37 offers)  
4 out of 5 stars 25

A sidebar on the right shows a thumbnail for "CBSE Chapterwise Solved Papers Computer Science". A Windows taskbar at the bottom includes icons for File Explorer, Task View, Taskbar settings, and a search bar. The system tray shows the date and time as 12/1/2015 11:58 PM.

6) You Can Add The Products To the Cart, In Cart Page Total Price Will Be shown

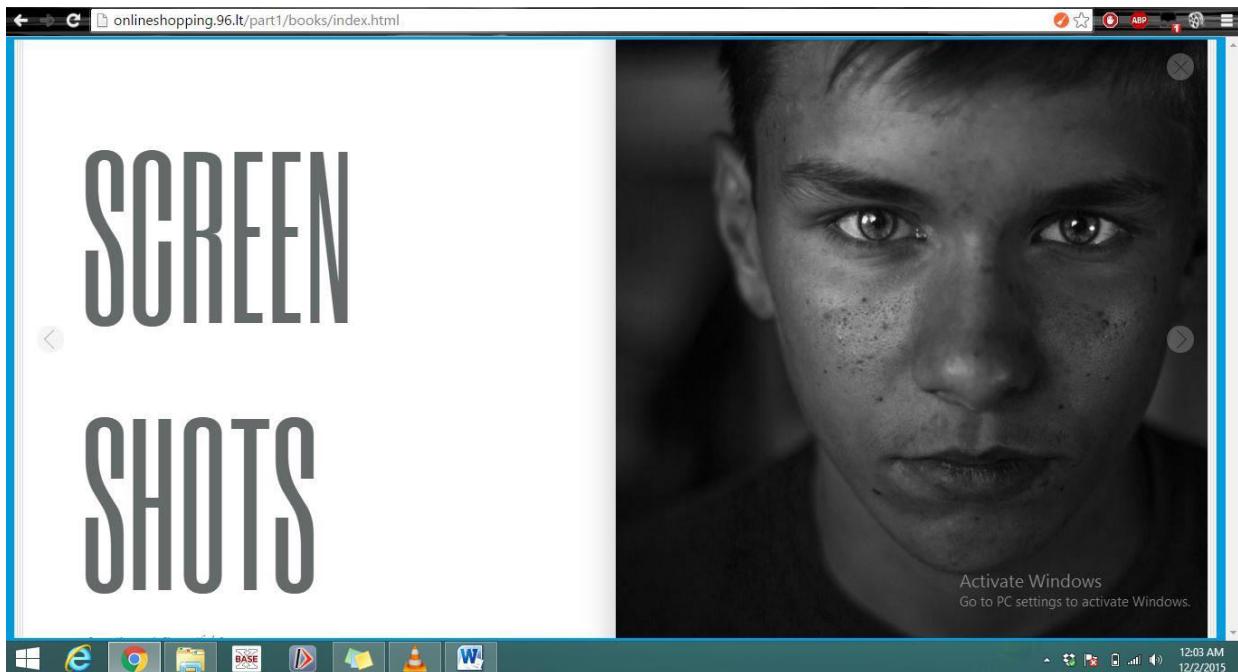
You Can Update Your Cart BY Removing The Unwanted Products.

The screenshot shows a web browser window with the URL [onlineshopping.96.lt/part1/cart.php](http://onlineshopping.96.lt/part1/cart.php). The page displays a shopping cart with the following items:

Remove	Product(S)	Total Price
<input type="checkbox"/>	The interview cracker	RS 2400
<input type="checkbox"/>	Data Structure And Algorithm	RS 500

Buttons for "Update Cart" and "Continue Shopping" are visible. A "Sub Total: RS2900" message is displayed above a "checkout" button. A Windows taskbar at the bottom includes icons for File Explorer, Task View, Taskbar settings, and a search bar. The system tray shows the date and time as 12/2/2015 12:00 AM.

## 7) Amazing Dynamic Book Preview Using Crawling Data From Amazon



## 8) Advance Search Engine Using Query Optimization

It will Give Results According To your Query: For ex if i give java to search

onlineshopping.96.lt/part1/results.php?user\_query=data+&search=search

## Placement Assured Book Section

**SHOPPING CART DETAILS:**

Total items: 6 Total Price: RS.2900

Data Structure And Algorithm  
Price: RS 500

Human Resource Management  
Shikha Taneja

Data Structures and Algorithms Made Easy in JAVA  
Harranima Karmachchi, Shikha Taneja

**BOOKS CATEGORY:**

- [Engineering Books](#)
- [Management Books](#)
- [Interview Books](#)
- [Aptitude Books](#)

**AREAS:**

- [Computer Science](#)
- [Programming](#)
- [Accounts](#)
- [Business Laws](#)

Activate Windows  
Go to PC settings to activate Windows.

12:06 AM  
12/2/2015

9)Customer Account : here Customer Can update their info like details and perform functionalities like update password and delete account.

Placement Assured Books All Products My Account Cart search search Admin

Welcome:abc@gmail.com Logout

My Account

[Edit Account](#)
[Change Password](#)
[Delete Account](#)
[Logout](#)

Welcome: Aryan

You can Update Your Info Here

Activate Windows  
Go to PC settings to activate Windows.

12:11 AM  
12/2/2015

The screenshot shows a web browser window with the URL [onlineshopping.96.lt/part1/customer/my\\_account.php?change\\_pass](http://onlineshopping.96.lt/part1/customer/my_account.php?change_pass). The page title is "My Account". On the left, there is a sidebar menu with options: "Edit Account", "Change Password", "Delete Account", and "Logout". The main content area has a heading "Change Your Password" and three input fields: "Enter Current Password:", "Enter New Password:", and "Enter New Password Again:". Below these fields is a "Change Password" button. At the top of the page, there is a navigation bar with links: "Placement Assured", "Books", "All Products", "My Account", "Cart", and a search bar. On the right side, there is a user profile icon labeled "Admin". A small pop-up window is visible in the upper right corner, containing some code or a message in a script-like language.

## 10) Admin Panel :

In Admin panel you can insert,delete,update a product.It's all dynamic. You can inser/delete a new category,new Brand,you can see how many customers you have.

You can have details about the purchase history of the customers,details about paypal transactions.

You can also have details about the orders history!!!!

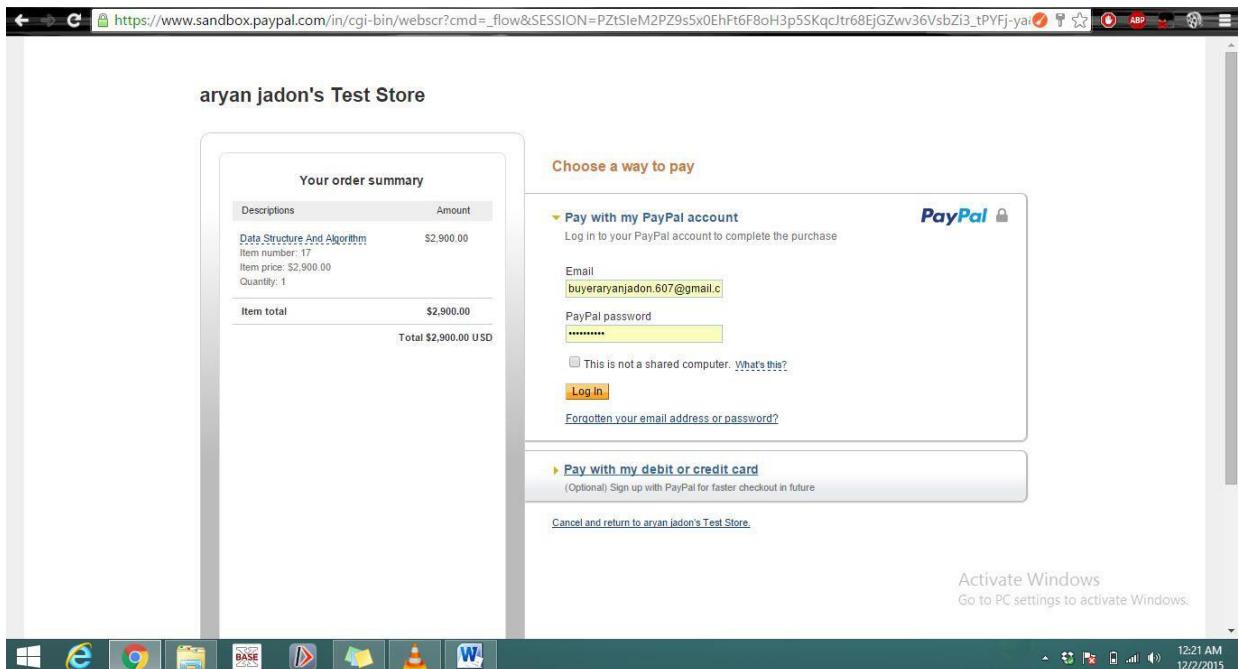
The screenshot shows a web browser window for 'onlineshopping.96.lt/part1/admin\_area/index.php?logged\_in=You%20have%20successfully%20Logged%20in!'. The top navigation bar includes links for 'Placement Assured', 'Books', 'All Products', 'My Account', 'Cart', and a search bar. A user 'Admin' is logged in. The main content area on the left is titled 'Manage Content' and lists various administrative tasks: 'Insert New Product', 'View All Products', 'Insert New Category', 'View All Categories', 'Insert New Brand', 'View All Brands', 'View Customers', 'View Orders', 'View Payments', and 'Admin Logout'. To the right, a red message box displays 'You have successfully Logged in!'. At the bottom of the screen, a Windows taskbar shows several open application icons and the system tray.

## 11) PAYPAL PAYMENT

This is the final part of the online book shopping .In the end you can payment the total bill and orders book online,you have have a paypal account to use this functionality of the website

The screenshot shows a web browser window for 'onlineshopping.96.lt/index.php'. The top navigation bar includes links for 'Placement Assured', 'Books', 'All Products', 'My Account', 'Cart', and a search bar. A user 'Admin' is logged in. The main content area is titled 'Placement Assured Book Section'. Below it, a section titled 'Pay now with Paypal:' features a large 'PayPal' logo with the text 'NOW ACCEPTING'. It also includes three circular icons: a lock for security, a credit card for flexibility, and a hand cursor for ease. Below this, there are categories for 'BOOKS CATEGORY:' (Engineering Books, Management Books, Interview Books, Aptitude Books) and 'AREAS:' (Computer Science, Programming, Accounts, Business Laws). At the bottom of the page, a Windows taskbar shows several open application icons and the system tray.

Here's an overview of the transaction



# Background Study And Findings

I learned how to crawl data using PHP library functions, using python and its implementations.

I learned how to use Bootstrap classes in the website to make front end of the website more appealing to the user .

Learned how to use java script functions ,PHP functions and jquery in the website.

Learned how to implement SQL queries in the website both dynamically and static.

Learned about ssl certificate and its uses for maximum security.

Learned about sql injection and how to prevent it from hackers.

Learned about how to stop Phishing in the website.

Learned how to crawl data from websites.

# Designing In Details

I used HTML, CSS , Bootstrap for designing particular section of the main page of the website.

I used PHP,SQL ,BOOTSTRAP,HTML,CSS in front end and back end of the study material part of the Placement Assured Website.

I used PHP functions to make Data Dynamically showing in the website.

I used PHP crawl Library For Fetching of urls and image associated with the page.

I used Sql queries for fetching the products according to the demand of the user from the database of the website.

## REFRENCES:

- a)[www.google.com](http://www.google.com)
- b)youtube channels
- c)[www.codeacademy.com](http://www.codeacademy.com)
- d)[www.phpdeveloper.com](http://www.phpdeveloper.com)
- e)[www.stackoverflow.com](http://www.stackoverflow.com)
- f)[www.w3schools.com](http://www.w3schools.com)
- h)[www.tutorialspoint.com](http://www.tutorialspoint.com)

# Subham Gupta(13103456) 's part:

## **I. PROJECT DIVISION**

I've been involved entirely in ANDROID APP DEVELOPMENT phase of the project. The entire Android App—"PLACEMENT ASSURED" has been made by me using ANDROID STUDIO 1.2.2. Also, I've contributed into the website as making of AJAX based Chat System that would allow users to communicate with their peers and grab more information from them.

## **II. EXPLANATION OF THE FUNCTIONALITIES INCLUDED:**

The major architecture of the networking code has been modified by shifting from HTTP Asynchronous Task Activities to RETROFIT Library implemented by square. This library provides support for concurrent background threads, network caching, as well as other features that clean up networking code substantially. The Power and hence effectiveness of this library can be calculated from the following image making my project unique in this respect.

	<b>One Discussion</b>	<b>Dashboard (7 requests)</b>	<b>25 Discussions</b>
<b>AsyncTask</b>	941 ms	4,539 ms	13,957 ms
<b>Volley</b>	560 ms	2,202 ms	4,275 ms
<b>Retrofit</b>	312 ms	889 ms	1,059 ms

## **1. LOGIN & REGISTRATION:**

The App has an icon of Placement Assured mascot. This icon has been set up as dp for all Placement Assured posts and guides every one throughout in an easy manner.

The App opens into a login page wherein a valid user enters his login username and password and is then redirected to the main page of the app.

**P.S:** Login into Placement Assured App is also made possible using FACEBOOK Login, wherin a user by agreeing to allow "Placement Assured" to access his/her profile will be able to enter into the Main Activity page of the app without the hassle of entering login credential time again.

This has been achieved using "Facebook SDK 4".

Also, I've made use of Twitter's FABRIC FRAMEWORK for Login through Twitter App and storing the twitter diplay picture name,username,etc to placement assured login table and entering the main Activity file.

In case, if the user wishes to manually register , a register button has been implemented where user will feed his desired login credentials and also choose a DP(Display Picture), and then lands to login page and follow.



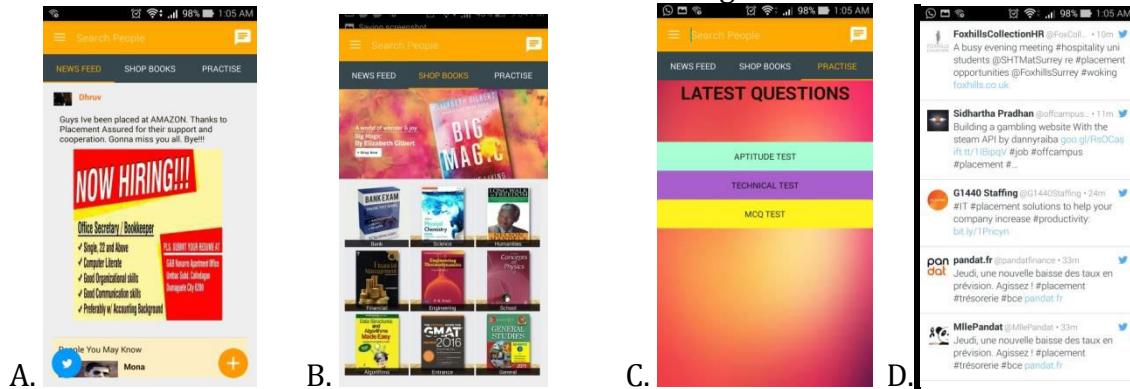
## 2. The Main Activity:

The main page of the app has 3 tab layouts namely NEWS FEED, SHOP BOOKS and PRACTISE. It also has a Drawer with Navigation Tabs for free flow through website that also includes the famous HAMBURGER EFFECT.

In addition, this page has a button in ACTION BAR ACTIVITY which when clicked starts a Chat Head Service that could be scrolled to any place on phone i.e. even when background Activity is not Placement Assured and continue to chat with friends. Apart from this, it has a search box implemented that shows name,dp and address of every entity in the database and allows users to navigate to their particular section. The details of these are as follows:

### A. NEW S FEED

This section demonstrates posts as posted by the people/companies they follow. It shows their profile picture, their name, and their posted image. This is refreshed from the back-end wherein a suitable crawler has been set up that crawls various website from the net (till date two-www.company.monster.com/www.naukri.com) and displays new post into the database if they have not been already inculcated. The tricky part here is if the company name has not been specified , it adds it as Anonymous post and chooses a default picture by itself. This page also has a Image view button which when pressed takes a user to new activity wherein the user can type his/her status and choose a image and upload it.This is achieved using JSON Array parsing into listView and implementing list view with images. The posts are shown only for those whom the individual is following. In addition to this using TWITTER's FABRIC Framework all tweets entitled with #placement from the twitter app are accumulated and displayed in an activity called by blue colored FLOATING ACTION BAR with twitter logo.



### B. SOCIAL FRAGMENT

This fragment section of the app has a ViewPager implemented which can be accessed using a swipe gesture else it has an automatic timer set that changes image every 4<sup>th</sup> second . Below this is a Grid View that shows various category of Books that could be demanded by the users namely Science, Engineering, Aptitude, etc .

On clicking any of these categories the user is taken to a section wherein a list of books available for that section is shown. Also an image of ADD TO CART has been implemented which allows users to add the preffered book to cart and hence be linked to placement assured website.

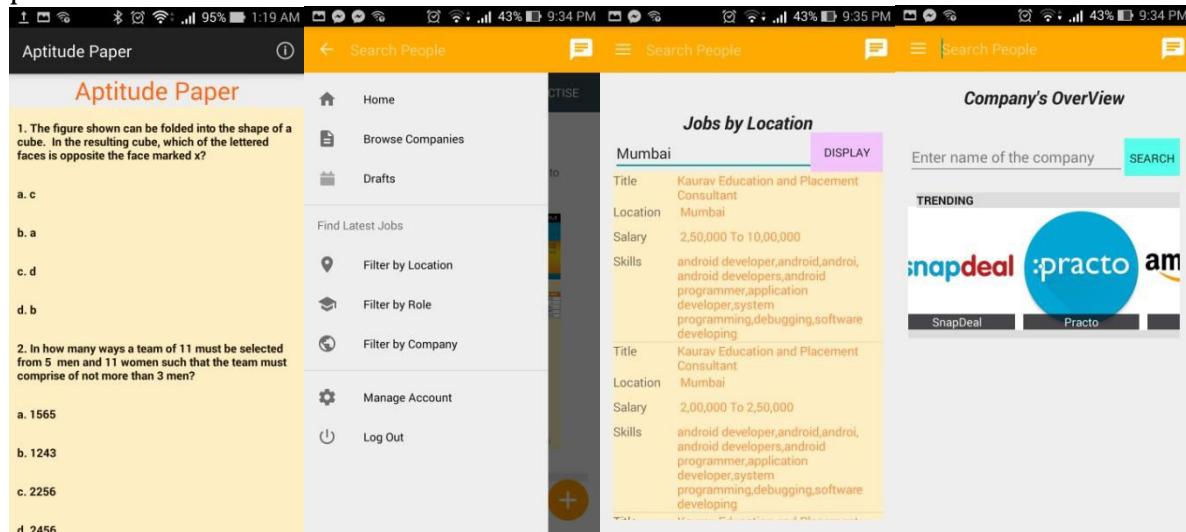
The ListView shows image, details, price of the books which is connected to database on the server and followed to link placement assured website for comparison of prices with Flipkart and Amazon.

## C. PRACTISE SEGMENT

This section has three buttons namely APTITUDE TEST PAPER's , TECHNICAL TEST PAPER's and MCQ's Test PAPER each having a set of question papers implemented. The questions have been scrapped out of a website and displayed for users to test their academic skills .The website from where this data has been crawled are

[www.campusgate.co.in/2014](http://www.campusgate.co.in/2014) . Also, VIEW ANSWER button has been provided which will allow users to see the answers for the test they undertook and clarify any confusion , if necessary with help of CARD FLIP ACTIVTY.

The MCQ section gives users a set of multiple choice questions using which they can attempt the questions and will be given a feedback on completion based on their performance.



## 3. THE NAVIGATION DRAWERS

### A. HOME

This leads to the default home page (MainActivity section).This could be used to directly move from any activity of the app to the main activity.

### B. BROWSE COMPANIES

This section has an edit text box that allows users to type the name of the company they wish to know more about.This section has a SPINNER activated that displays a list of companies that have been crawled from [www.hackerearth.com](http://www.hackerearth.com) and a search box which on click will give the overview of the company as crawled from the same website, which can be read by viewers to gain more knowledge of type of company they are seeing..

Further, it has Horizontal List View that shows images of the companies that are trending at that time.

### C. SEARCH JOBS

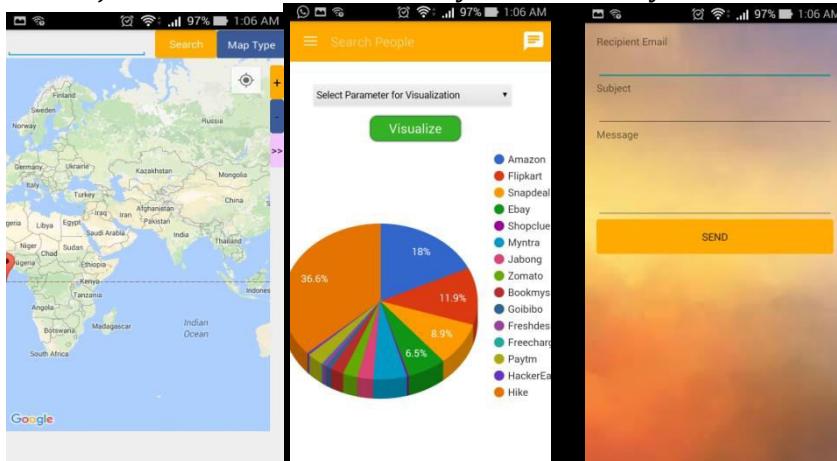
This menu item has three submenus namely

- Filter by LOCATION,
- Filter by COMPANY
- Filter by ROLE.

On choosing the appropriate section and typing a desired value, a SPINNER is displayed which once chosen and search button pressed shows all the latest vacancies available which have been crawled from various websites and presented in a list View that shows the title of the job , salary provided ,location and skills required to apply for the job . The similar scenario is carried out in all the three filters provided and respective jobs are shown.

However, Filter by Location is a bit different.

It opens a MAP ACTIVITY using GOOGLE's GRAPH API. It also has location tracker that finds users current image and displays it. Moreover user can select a particular location where he is interested for job then a new marker will be placed at that location and by an algorithm implemented nearest city where job are available is shown. On Selecting that all the jobs are loaded for that city in the activity described above.



### D. COMPARE FRAGMENT

This fragment opens an activity that displays Charts based on following four criterias:

- 1.Vacancies available
- 2.Placements available.
- 3.Pay-Masters.
- 4.Revenues generated.

Pie-charts and slice charts have been implemented for comparison between different companies using GOOGLE's CHART API. The data for analysis is calculated from database which is updated using a crawler.

### E. EMAIL

This section uses JAVAMAIL API and allows users to send email to anyone across globe using n email specified on behalf of Placement Assured user and seeking a relevant information etc.

## F. FORUM

This is a mere adaptation of the forum implemented in the website and allows users to open discussions on a particular topic and seek relevant information thereby. Please note that this is not meant for informal conversations, for that a chatting feature has been separately implemented.

This also has features of add user, close discussion etc.

## G. LOG OUT

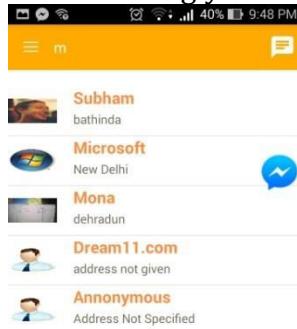
This item of the navigation drawer ends the user interaction onto the the main activity and takes him back to the login page wherein a new user will have to type his credentials and enter into the app.

This destroys all the SHARED\_PREFERENCE\_VARIABLES that have been implemented to prevent re-login into app again and again for the same user.

## 4. The SEARCH BOX

The Action Bar of every activity in the app has a search box implemented which displays the profile pic, name and address of every entity in the database of the app. This list view displayed in the box can be filtered in a lexicographic order and on selection of a listView item a user is taken to activity where all the details of that person name, address ,profile pic and all the recent posts posted by that individual

Along with posted pictures, this page has a FOLLOW/UNFOLLOW button that will act as whether that entity's post be loaded into user's news feed or not. The user can select this at any time and refine his news feed accordingly.

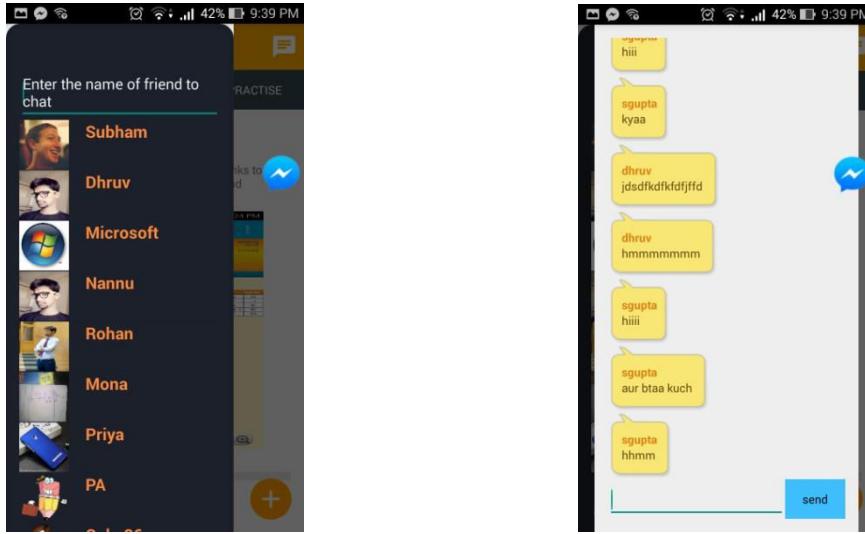


## 5. The Chat Head Service

This section which is most complicated by the virtue of implementation has a chat bubble that appears as soon as a button on the action bar is pressed . This bubble can be transferred to any section of the screen and upon a tap opens a Chat Screen wherin all the users of the app are displayed for the person to chat. This Chat Screen window has a list View that displays profile pictures of all the users along with their names.

It also has an editBox which will sort the list according to the characters typed.

On selection of a list item a new activity Chat Message is opened which shows all the previous chat messages with that individual and has a edit box which on typing message and sending will send the data to the database. Similarly messages typed by the other person are also shown. Hence a two way Chat System has been implemented. The background of this service can be anything and not necessarily the Placement Assured App.



## 6. The AJAX-XML Php based Chat System for Website

The chat system that will be prevalent in the website has been made using concepts of AJAX and XML along with PHP, CSS and JavaScript. A rough login page (rough because actual login implemented in other module) leads to a window where two vertical rectangular div boxes are present. The chat heads display the name of all users in the database based on a query. It has CSS implemented and JavaScript that scrolls it down or up as required. On click of a user, a message box corresponding to that name is opened which has chat of that individual with user. Now these chats auto reload every 4<sup>th</sup> second using an XML HTTP Request in the code without refreshing the page. Also, the new message typed is inserted into the database and update in the message window. The PHP has been used to retrieve the data values and JavaScript at the client side.

### **III. BACKGROUND STUDY AND FINDINGS**

As already described in the Objectives and Abstract of the project, the key idea of implementation of the project was to provide a one click website/app which would cater all the popping need of the individuals who are ready to sit for their placement/recruitment sessions. The App has been provided to apply the jest of the website in a more handy device—the mobile phones.

Regarding implementation of the layout and interface of the app, I've taken a major reference from four most widely used app like Facebook, Flipkart, WhatsApp and LinkedIn.

The tab fragment in the app has been implemented from WhatsApp to provide equal attention to three major parts of our projects namely News Feed, Shop Books and Practise Papers. Secondly the concept of the News Feed display has been taken from Facebook list View and implemented in a similar manner of profile pic, post pic, name of the poster, likes, etc. The search box is also a renowned feature of the facebook app and hence

implemented. The Navigation Drawer has been implemented by taking reference from flipkart app that navigates whole app from one column.

Similarly Messenger Ping feature has been tried to be implemented using the chat head service as discussed above. The Social Fragment also displays products according to categories in Grid View in accordance with flipkart app and the advertisement viewpager is no less than cheery on the cake.

The major activities namely Browse Companies and Search for Jobs on basis of location, company and preferred roles of the individuals are implemented from surfing a lot of websites over net that would allow crawling of their data and hence inculcated under one roof. During implementation process certain sites did stop their data trespassing by outside individuals and hence was accordingly coped up with.

Various online tutorials to start making basic android apps to inclusion of new intents and fragments along with list view has made me able to learn JSON ARRAY connectivity with list View and also managing queries of database concerning transfer of images. Even displaying basic data from php files in android can be cumbersome if not taken care of but by surfing various tutorials it could be implemented.

Majorly use of PICASSO to cache images automatically and hence enhance overall user experience has been made by research papers at various forums and github.

#### ***IV. TESTING OF PARTIALLY IMPLEMENTED CODE***

The code as created till this date has been running successfully. There have been certain cases wherein if the site used for scrapping limits their usage and the app might fetch null values and crashes but has now been taken care of. Database insertion, fetching using various php files hosted on a web server at hostinger have been implemented.

Moreover major White Box and Black Box testing techniques have been implemented.

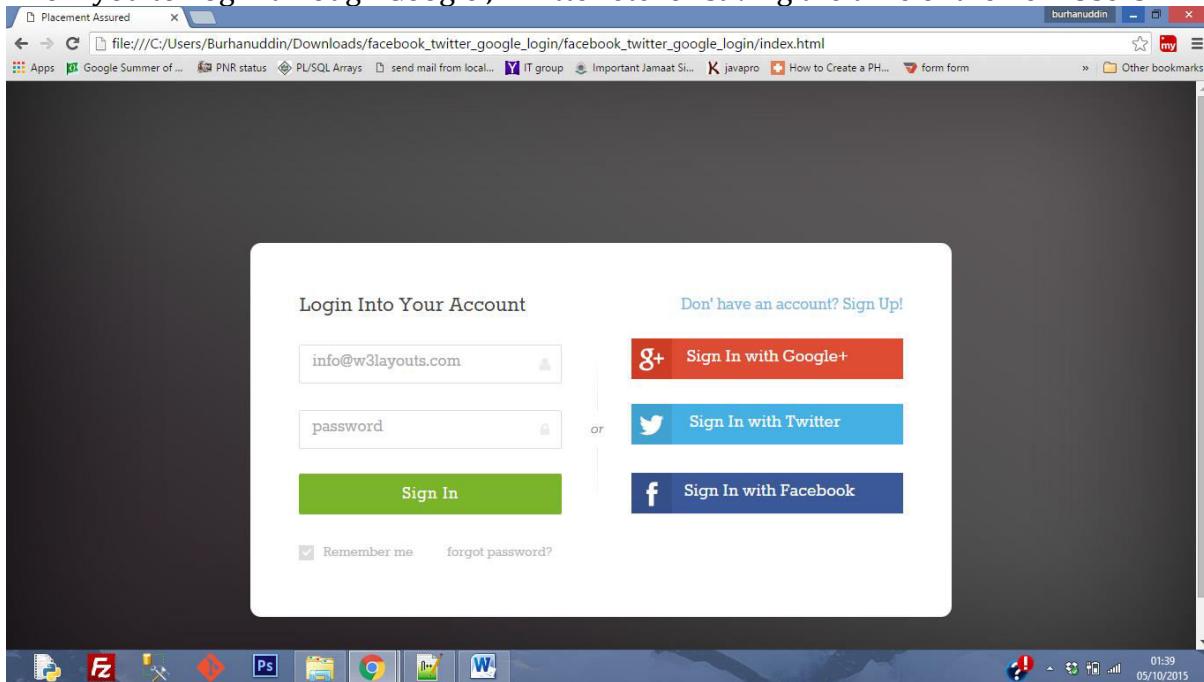
#### ***V. REFERENCES***

- Programming Knowledge channel of Youtube
- [www.developers.android.com](http://www.developers.android.com)
- [www.stackoverflow.com](http://www.stackoverflow.com)
- [www.androidbegin.com](http://www.androidbegin.com)
- Visual insights from Facebook, Flipkart and WhatsApp app's.
- [www.google.com](http://www.google.com)
- [www.tutorialspoint.com](http://www.tutorialspoint.com)

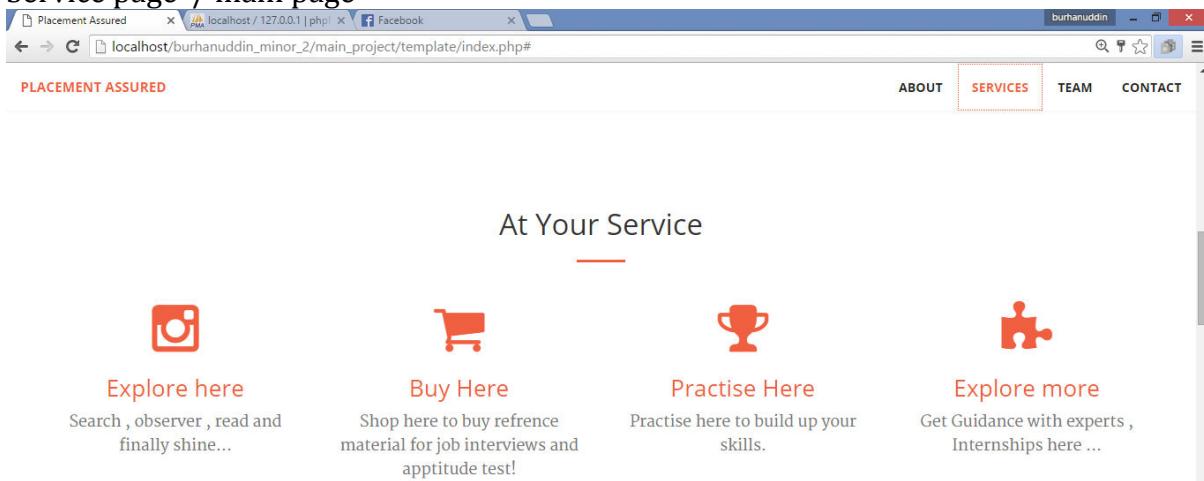
# Burhanuddin Bhopal Wala (13103735)

## 1 : Social Login Features

Allow you to Login through Google , Twitter etc for saving the time of the new Users ...



## Service page / main page



"Quote 1"

SEARCH VACANCY

TIMELINE

TOP STARTUPS

"Quote 2"

- by author

## 1 : Latest Vacancies Option

This feature allow the Use to see the Latest Vacancies . The latest vacancies are CRAWLED from <http://www.freejobalert.com/> in all categories like Banks , UPSC , SSC etc ....

04/10/2015

Latest Notifications

Latest Notifications: Banks

Post Date	Bank Name	Post Name	Qualification	Local/Language Reservation	Last Date	More Information
25/09/2015	SVC Bank	Planning, Development & Facilities Dept	Diploma, BE (Civil Engg) B.Arch, M.Arch	.	.	<a href="#">Get Details</a>
25/09/2015	SVC Bank	Chartered Accountants	CA	.	.	<a href="#">Get Details</a>
24/09/2015	Arunachal Pradesh Rural Bank	Office Scale I, Asst – 09 Posts	Any Degree Qualify in IBPS RRB CWE-III	English	08/10/2015	<a href="#">Get Details</a>
23/09/2015	Lakshmi Vilas Bank	Sales Executives/ ASM/ RSM/ Team Leaders	Any Degree/ PG	.	10 Days	<a href="#">Get Details..</a>
19/09/2015	Oriental Bank of Commerce	Guard – 05 Posts	.	.	05/11/2015	<a href="#">Get Details</a>
25/07/2015	IBPS	Clerks (CWE-V)	Any Degree	.	01/09/2015	<a href="#">Get Details</a>
26/06/2015	IBPS	CWE PO/ MT-V	Any Degree	.	01/08/2015	<a href="#">Get Details</a>

Other Govt Financial Institutes

Post Date	Recruitment Board	Post Name	Qualification	Advt No	Last Date	More Information
02/10/2015	RBI, Mumbai	Officers in Grade-B (General) – 134 Posts	.	.	23/10/2015	<a href="#">Get Details</a>

## 2 : Latest Placement Notification

This features allow the users for latest placement which is CRAWLED from <http://indiatoday.intoday.in/>

### 3 : Resources

If the users do not want the notifications from the above mentioned websites used for crawling then he or she can use Resources feature which CRAWLED data from all other websites regarding vacancies ...

### 4 : Search Option

It is one of the important features in which user decides that how much data he / she want to crawl . It allows user to search the vacancies according to their compatibilities of Area / Departments etc .

Here also the data is CRAWLED from [www.freejobsalert.com](http://www.freejobsalert.com) and it first saves in our database and then show it to the user ... Reason for storing in the database is for Offline functionality ...

Post Date	Recruitment Board	Post Name	Qualification	Advt No	Last Date	More Information
03/10/2015	Jiwaji University	IRF – 01 Post	M.Sc (Botany/Microbiology)		15 Days	<a href="#">Get Details..</a>
02/10/2015	Directorate of Urban Administration & Development, MP	Manager, State Mission Mgr – 127 Posts	Any Degree, PG Diploma (Mgt)/MBA		23/10/2015	<a href="#">Get Details..</a>
29/09/2015	Public Works Department, Bhopal	Sr Consulting Architect, Structural Engineer – 04 Posts	Degree in Architecture, M.E/M.Tech (Structural)		15/10/2015	<a href="#">Get Details..</a>
29/09/2015	Health Services, Jabalpur	Executive, Asst Engineer, Accountant cum Clerk – 03 Posts			05/10/2015	<a href="#">Get Details..</a>
29/09/2015	District Health Committee, Singrauli	Dietician, Cook – 02 Posts	10th Class, B.Sc Food & Nutrition		10/10/2015	<a href="#">Get Details..</a>
28/09/2015	ICDS, Satna	AWW, Asst, Mini AWW – 31 Posts			10 Days	<a href="#">Get Details..</a>
28/09/2015	State Vocational Education & Training Council, Govindpura	Office Asst. Manager, Asst Manager – 17 Posts			03/10/2015	<a href="#">Get Details..</a>
28/09/2015	Collector Office, Mandsaur	Asst Gr-III, Peon – 03 Posts (SRD for PWD)	8th Class, 10+2		07/10/2015	<a href="#">Get Details..</a>

## 6 : Forum

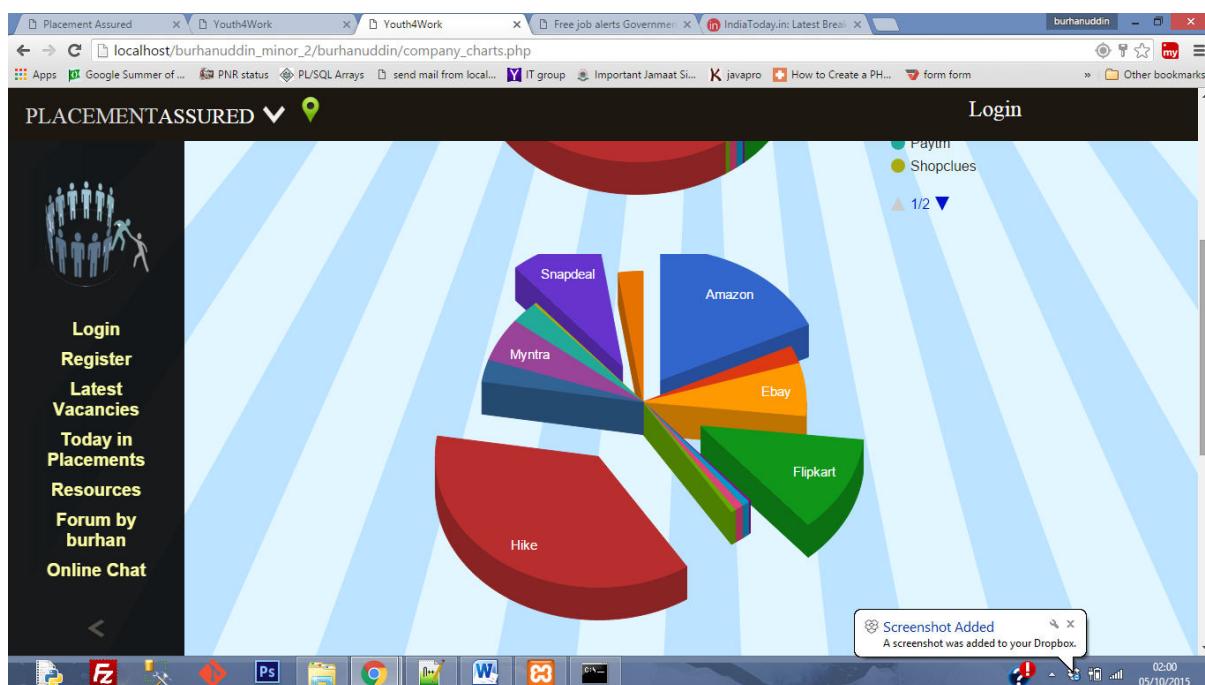
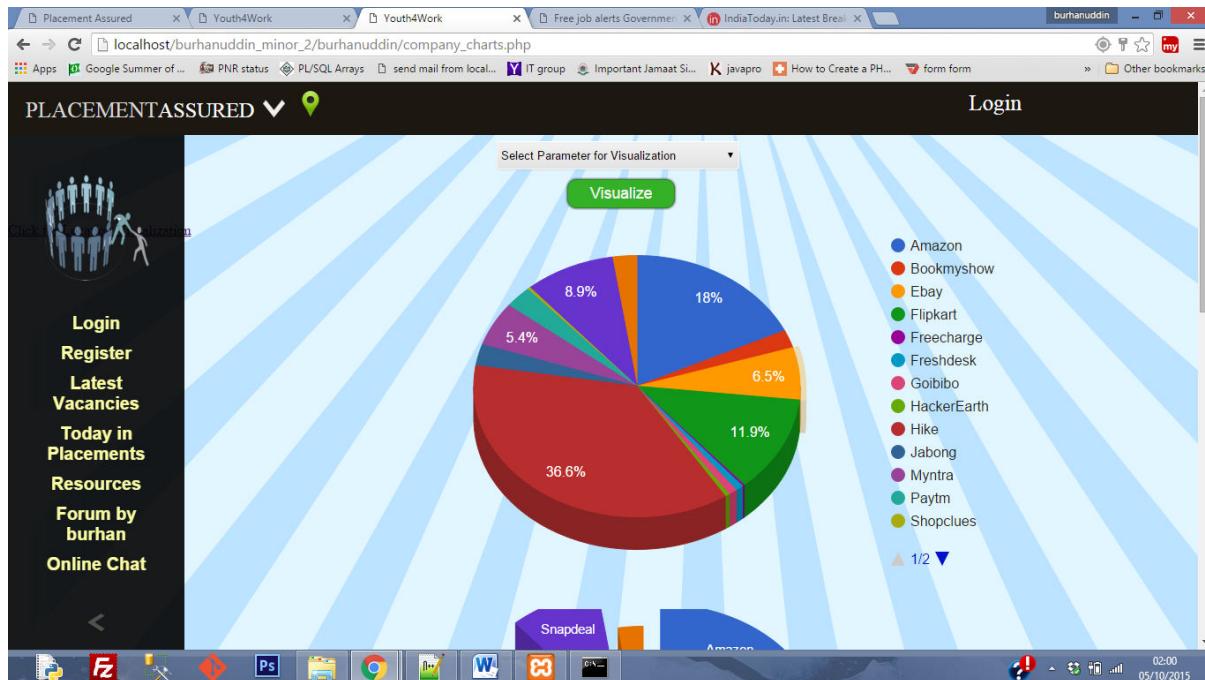
This option all the users to get help from others registered users of our website . And also for general discussion and to connect and with the Alumini ...

Latest Technologies by 1 - 2013-09-29 19:17:56	User Info Here
dynasties	
Latest Technologies by 1 - 2013-09-29 19:18:07	User Info Here
famous technologies	
Latest Technologies by 0 - 2013-10-02 12:14:59	User Info Here
Burhanuddin Bhopal Wala	

## 7 : Google Chartings API for Visualization

This feature is one of the highlighting feature of our website . This feature allows user to view the VISUALIZATIONS on PIE CHART or PIE CHART with SLICES or in the form of GAUGE Chart ...

Visualizations are basically based on COMPANY VACANCIES / COMPANY REVENUES / PAY MASTERS / AVG SALARIES and on COMPANIES LOCATIONS WORLD WIDE ...





## Based on COMPANY LOCATION



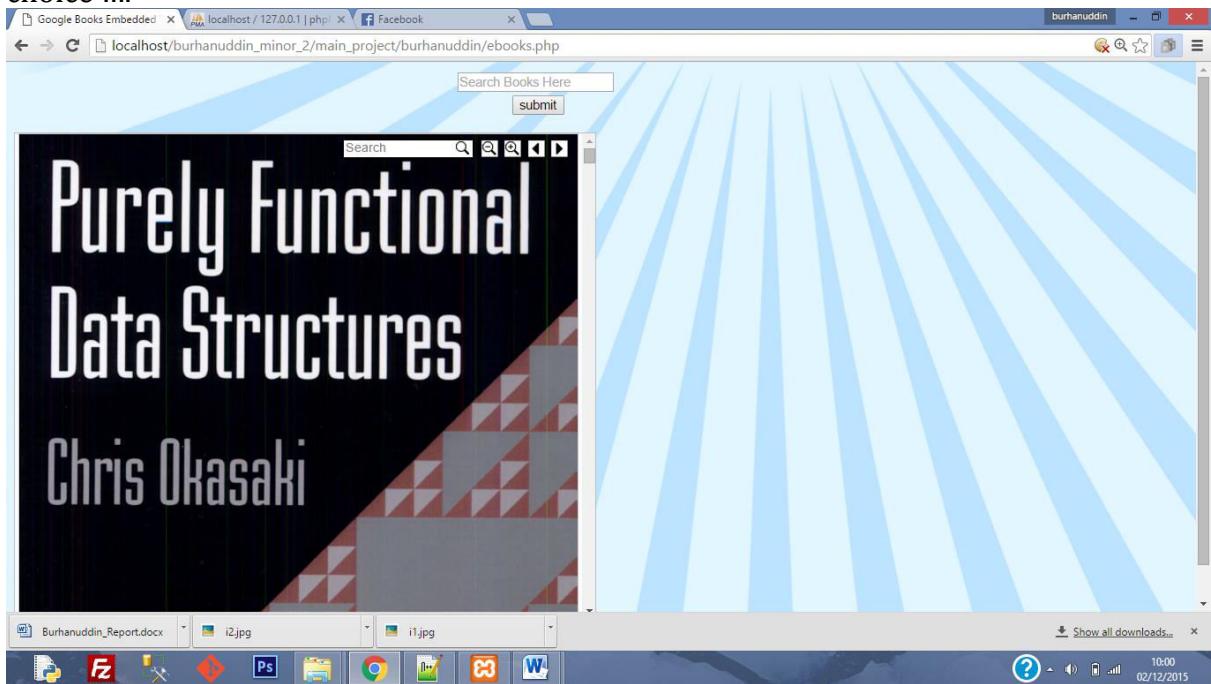


9 : Google Books API for Searching and Reading the Books and E Books also Screen shots kal dunga .....

10 : Our Websites uses the CodeIgniter 2.2.3 framework and works ON A MVC ( MODEL VIEW CONTROLLER ) FRAMEWORK . The Advantage of using Codeigniter 2.2.3 is FASTENING THE DATA PROCESSING AND I ALSO RESEARCHED THIS UNDER MS SUMA DAWN MEM AND PROVED THIS ALSO .... DATA PROCESSING IS FASTER AS  $\text{pow}(3)3/2$  ...

### 11 : Using of GOOGLE EBOOKS API

Providing the users to fetch and retrieve the EBooks directly from the Google from their choice ....



## 14 : DATA CRAWLED WITH XML FILE FOR COMPANY INFO IN THE TIMELINE SECTION ... XML DATA CRWALING ...

The screenshot shows a web browser window with the URL [localhost/burhanuddin\\_minor\\_2/main\\_project/burhanuddin/timeline.php](http://localhost/burhanuddin_minor_2/main_project/burhanuddin/timeline.php). The page has a header "PLACEMENTASSURED" and "Welcome". A search bar says "Search popular companies" and a green button says "XML Data". Below the search bar, the word "Amazon" is displayed in red. A large blue background image features radiating blue lines. The main content area contains a green paragraph about Amazon.com, Inc. The status bar at the bottom shows file icons for Burhanuddin\_Report.docx, i2.jpg, and i1.jpg, along with system information like date and time.

Amazon

Amazon.com, Inc. often referred to as simply Amazon, is an American electronic commerce and cloud computing company with headquarters in Seattle, Washington. It is the largest Internet-based retailer in the United States.

-----Burhanuddin Part 2 -----

### EXPLORE MORE SECTION ...

## 13 : Internships / Career Guidance and Connection using GRAPH ALGORITHM in Explore More Section ...

The screenshot shows a web browser window with the URL [localhost/burhanuddin\\_minor\\_2/main\\_project/burhanuddin\\_part2/template/index.html#services](http://localhost/burhanuddin_minor_2/main_project/burhanuddin_part2/template/index.html#services). The page has a header "PLACEMENTASSURED" and "Home Help". The main content features a photograph of a desk with a laptop, glasses, a notebook, and a hand writing with a pen. Overlaid text reads "Explore here" in large white letters and "Time to stand on the shoulders of giants..." in smaller white text. Below the image are three buttons: "CAREER GUIDANCE", "INTERNSHIPS", and "NETWORKS". The status bar at the bottom shows file icons for Burhanuddin\_Report.docx, i2.jpg, and i1.jpg, along with system information like date and time.

PLACEMENTASSURED × localhost / 127.0.0.1 | php × Facebook × burhanuddin

localhost/burhanuddin\_minor\_2/main\_project/burhanuddin\_part2/template/index.html#services

PLACEMENTASSURED

Internships  
Get Edge yourselves before you placed ...

Internships are the best way for boosting your career before you get placed ...



Confused

Screenshot Added A screenshot was added to your Dropbox.

09:52 02/12/2015

PLACEMENTASSURED × localhost / 127.0.0.1 | php × Facebook × burhanuddin

localhost/burhanuddin\_minor\_2/main\_project/burhanuddin\_part2/template/index.html#services

PLACEMENTASSURED

Home Help



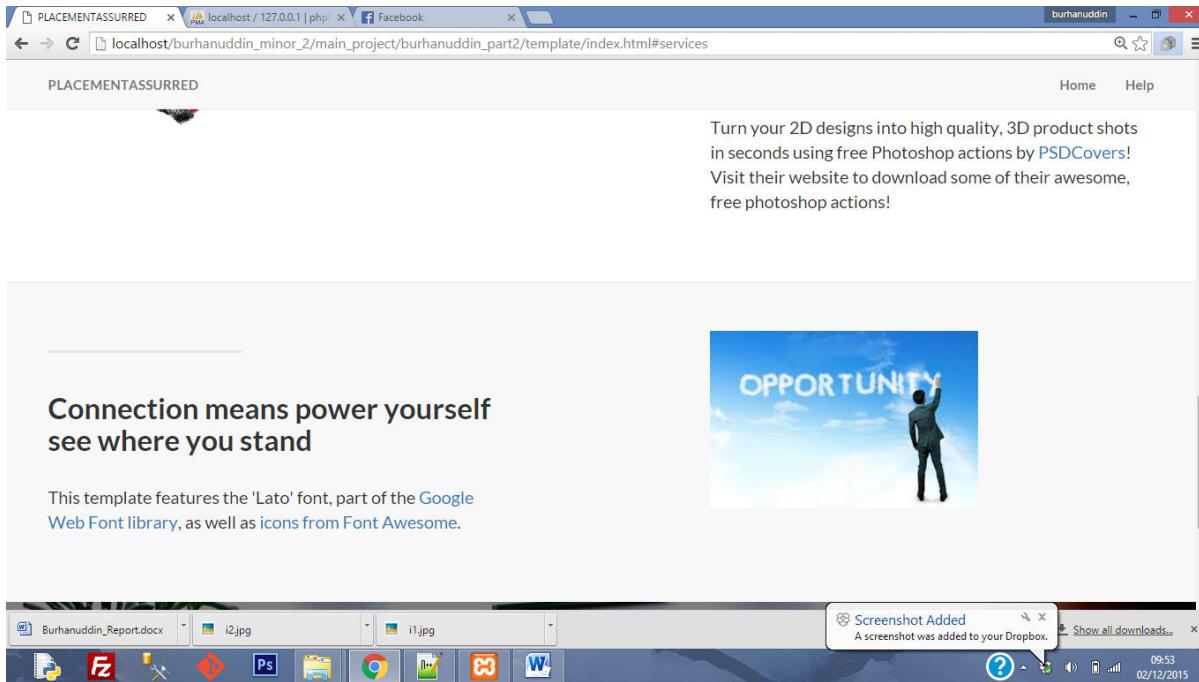
Confused  
need guidance ...

Turn your 2D designs into high quality, 3D product shots in seconds using free Photoshop actions by PSDCovers! Visit their website to download some of their awesome, free photoshop actions!



Screenshot Added A screenshot was added to your Dropbox.

09:53 02/12/2015



PLACEMENTASSURED

localhost/burhanuddin\_minor\_2/main\_project/burhanuddin\_part2/template/index.html#services

Home Help

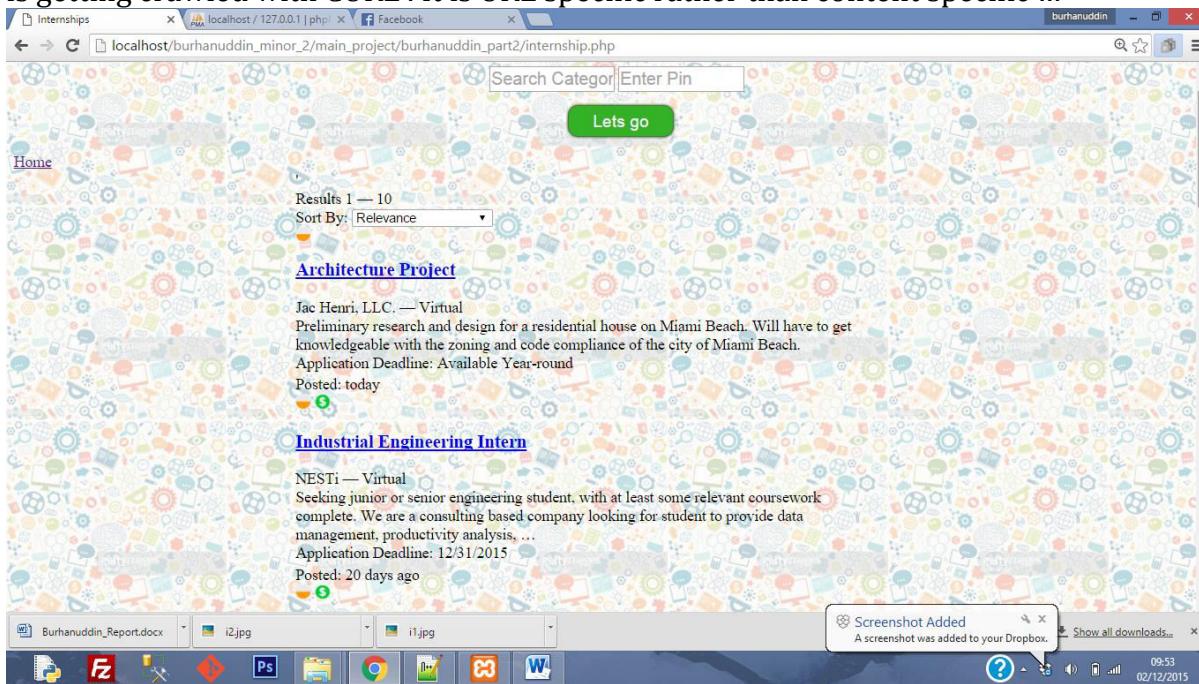
Turn your 2D designs into high quality, 3D product shots in seconds using free Photoshop actions by [PSDCovers!](#)! Visit their website to download some of their awesome, free photoshop actions!

Connection means power yourself see where you stand

This template features the 'Lato' font, part of the [Google Web Font library](#), as well as icons from [Font Awesome](#).

OPPORTUNITY

14 : Finding the latest internships from [www.internships.com](http://www.internships.com) . The different thing is Data is getting crawled with CURL . It is URL specific rather than content specific ...



Internships

localhost/burhanuddin\_minor\_2/main\_project/burhanuddin\_part2/internship.php

Search Categoty Enter Pin

Let's go

Results 1 — 10 Sort By: Relevance

Architecture Project

Jac Henri, LLC. — Virtual  
Preliminary research and design for a residential house on Miami Beach. Will have to get knowledgeable with the zoning and code compliance of the city of Miami Beach.  
Application Deadline: Available Year-round  
Posted: today

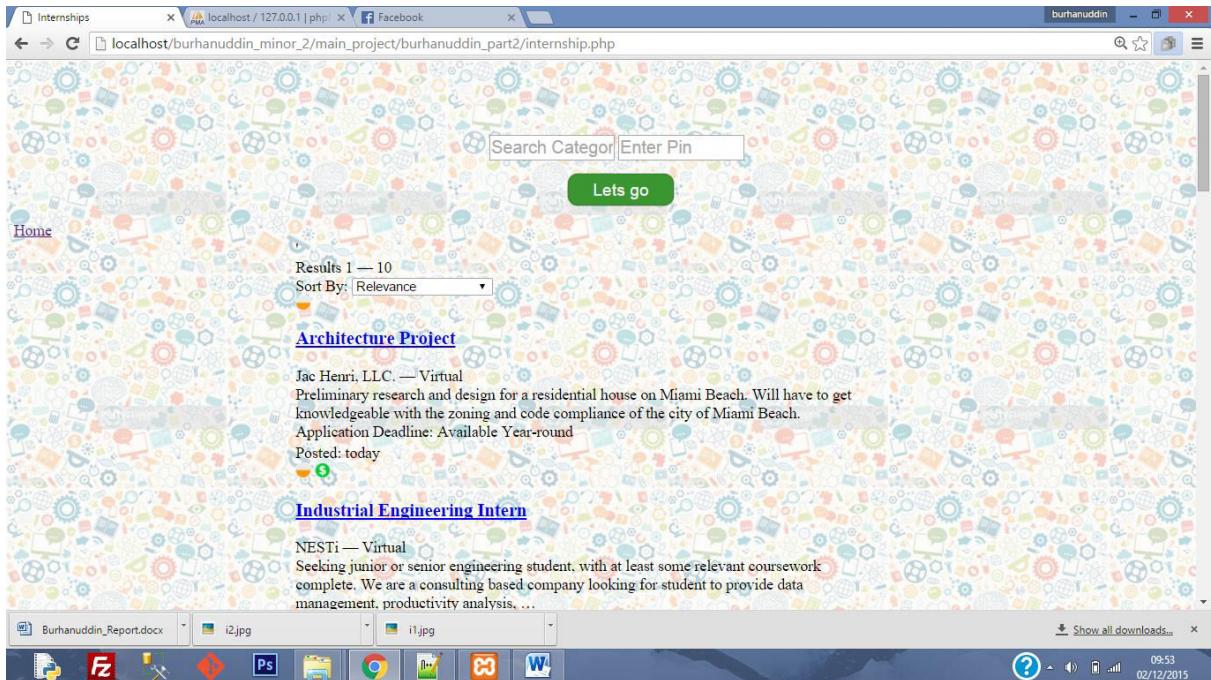
Industrial Engineering Intern

NESTi — Virtual  
Seeking junior or senior engineering student, with at least some relevant coursework complete. We are a consulting based company looking for student to provide data management, productivity analysis, ...  
Application Deadline: 12/31/2015  
Posted: 20 days ago

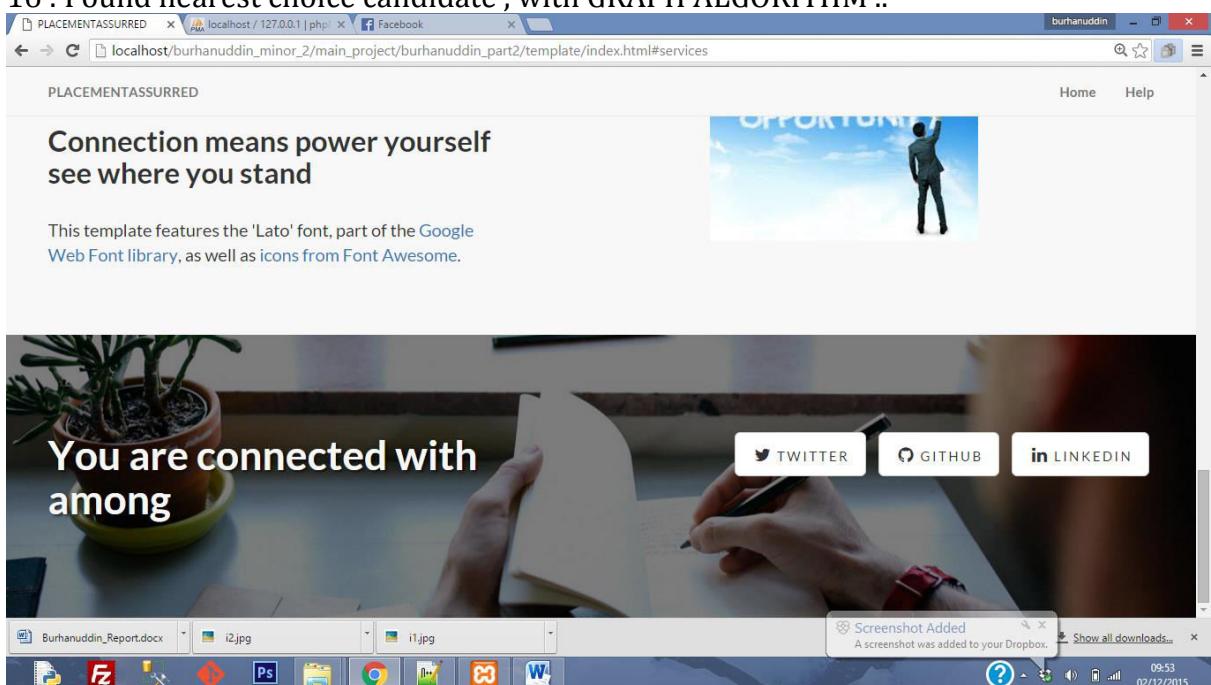
Screenshot Added A screenshot was added to your Dropbox.

15 : Career Guidance :

The data is again crawled here with CURL . Based on which category user will choose for their guidance ...



## 16 : Found nearest choice candidate , with GRAPH ALGORITHM ..



- Designing and Implementation :

I used Ajax , php , Jqueary , Java Script , Html5 , CSS3 ...

Ajax is mainly used for AJAX CALLS and for Searching the keys dynamically ....

On the other hand , Jquery is used for Dynamic Flippings the objets in the Webs and for Sliders ...

JavaScripts for Validations and for handling the Invalid Input as well as for handling the Google charts Animations ...

CURL for URL based crawling and use of simple\_html\_dom API for dynamic crawling .

Use of XML parsing for XML data crawling for fetching the company data .

- Refrences :

Sites

[www.develeporz.Google.com](http://www.develeporz.Google.com)

[www.develeporz.facebook.com](http://www.develeporz.facebook.com)

[www.dev.twitter.com](http://www.dev.twitter.com)

[www.W3Schools.com](http://www.W3Schools.com)

[www.phptpoint.com](http://www.phptpoint.com)

[www.php.net](http://www.php.net)

[www.tutorialspoint.com](http://www.tutorialspoint.com)

Books

- Headfirst for Html5 and CSS3

#### BURHANUDDIN CONTRIBUTION :

- Making Explore Here and Explore More both the parts of the website along with front end development ....
- Company part , google charting apis , google ebooks apis , XML data crawling , dynamic data crawling . Fetching the latest vacancies and latest placement with crawling and saving into the database also .
- FORUM for interaction with other users ...
- Use of CodeIgniter 2.2.3 for faster Data processing proved also in RESEARCHED PAPER .
- Explore More parts for Internships and Career Guidance and for nearest choice candidate using the Graph Algorithm ...
- Using CURL crawling also for Explore More Sections ...

# Prachi Tiwari's part

## Project Division:

I have handled **the online test part** of the website where the multiple candidates can log in and test their skills and knowledge on various subjects topic wise. There are multiple choice questions associated with every topic and a detailed report of user specific test performance gets displayed in the end.

## Background Study and Findings:

A number of technologies could be used for implementing my part in the project. So I did a detailed research on the available options and the options that I must select in order to benefit me in the future. The list of options included ASP.NET, PHP and Java ( via JSP and Servlets). I chose Java due to prior knowledge and experience with it. Due to prerequisite knowledge about html, it was easier to use JSP pages which have html code. I researched about **Servlet Life cycles and JSP pages**. In order to create different sessions for the users, I have used **session management in Java**. Apart from this I have used a **relational database in MYSQL** for all the database related work. Further, I have used **JDBC for exchanging data** between the web application and MYSQL database and also to implement the **feature of security** specially while dealing with database and other data transactions. I have used prepared statements in JDBC as they are precompiled and stand at no risk to SQL Injection. In order to handle different tests since I had experience with **Extensible Markup Language (XML)** so I preferred to use them **for storing tests data**. I further learned about **DOM (Document Object Model)** and implemented it using Java and XML; I was able to conduct tests on my web application.

## Major Features:

- The test system is a **multiuser system** and can accommodate any number of users at a given time.
- There is a **timer associated with every test**, the value of which can be altered easily. The timer is displayed on the upper right corner of the current page.
- The **test system is dynamic** and any number of tests can be added by adding .xml files and adding the hyperlink to respective pages.
- A **detailed report of the user performance** is displayed in the end with the correct answer for every question.

## Designing of the Project in detail:

I started this project as a simple web application project in NetBeans (IDE for Java). Initially I implemented a simple JSP and servlet model (satisfying all the necessary standards on JSP and servlet-all the states (proper creation to disposal)). Then I worked on creating a dummy framework where I actually implemented all the features which are required for conducting a test in my Java Web App.

After creating all the dummy layouts and necessary controllers, I started working on my *main controller* which was responsible for all the login and test features. I create a *DOM*

*structure* for my tests and the necessary .xml files for according to my structure for various different tests.

I have used default java classes under "javax.xml" for easily creating my document structural actually created different instances of .xml files and loaded the document using *DocumentBuilderFactory and DocumentBuilder* classes, these classes come up with predefined method helps us to "parse" and normalize these .xml files very easily. The code related to this Document Object model can be found in "CreateDOM.java" under the default package of my project.

Now, having the tests ready, my next task was to populate the information in the test layout. I used Java code to automatically load this data to the appropriate *QuizControl* and *QuizQues* java files in my project contain the code responsible for this task.

Simultaneously, I have calculated the result via code in *QuizExam.java* to display the result to user as per the responses entered.

"org.w3c.dom.\*" packages helped me to deal all the data I got from XML files. I used the generic data structures predefined in Java for displaying all the contents of from .xml and storing the answers. Specifically, I have use a *Map and ArrayList* for this purpose.

Now, for database related operations, I have created a *databaseconnectionfactory* and used it's instances to work with JDBC to perform all the data transactions.

There is registration and login page for users in my web application, so I have created a *RegController* with all the necessary code to deal with register and login/logout operations. I have added proper features like invalid data in registration form and same username exists etc. I have a similar controller for recording user feedbacks.

So, in this way I have used all the possible tools to create this test environment which is dynamic and more tests can be added very easily as we only need .xml files and we have just display the hyperlinks to take those test, either in home page or respective category pages.

I have used *Relational database (MySQL)* for handling all the data in my application. This application is very easy to use as the UI is simple and user can take tests easily. The application is dynamic as we can make changes anytime as per our needs like adding more/updating/removing tests.

*This application has been created on azure with apache tomcat as a java container. However due to unavailability of free servers online it couldn't be made live. The link is :*

<http://placementassuredtest.azurewebsites.net/>

We can also change our database since we are using Type-4 pure Java JDBC driver, we can change the data vendor as per our needs we don't have to make any major changes.

#### Partial Implementation:

The home page of the website has 4 major quiz domains listed :

Computer Science, Electronics and Communications, Interviews, Logical and Reasoning.

On the top, there are various buttons like Quiz Portal Home, Login, Register, Feedback and Back to Placement Assured.

The Login button redirects to login page with two fields: Username and Password. Both of the fields are mandatory. The Registration button redirects to Registration page with username, email id and password fields. The same username can't be registered twice. All fields are mandatory.

The Feedback button redirects to feedback page. Only registered users can submit feedback.

The Various domains are divided into subdomains and there are quizzes related to each topic. The user can see his scorecard after attempting the quizzes along with the questions

that have been answered correctly, the number of attempted questions and the correct answer to all the questions.

Screenshot of a web browser showing the "COMMON INTERVIEW QUESTIONS" section of a quiz portal. The page includes sections for "Tell me about yourself", "What are your biggest strengths? What will you bring to the team?", and "What is your biggest weakness?". Each section contains a tip or advice.

**Tell me about yourself**

*Keep your introduction positive, clean and simple. Focus on what is directly relevant. You want to show that you have the ability and desire to do the job, and fit into the company culture. Highlight aspects of your career, college, hobbies, and personal life that match that of the company. Don't assume that your interviewer has read your resume. However, don't just recite your resume verbatim to your interviewer. The smart answer tells the interviewer why the interviewee is a good fit for the open position. If you are a recent college graduate interviewing for a sales position, highlight that you are a competitive people person who loves a challenge. If you are making a career switch, highlight your transferable skills. If you are keeping in the industry and looking for more responsibility, highlight specific examples of the best work you've done.*

**What are your biggest strengths? What will you bring to the team?**

*Don't ramble on for minutes reciting every quality you can think of. I once sat through an interview where the candidate spoke for 5 minutes about how they were careful, yet willing to take risks, and that they were independent, but great in teams. It was confusing, and not convincing. Choose 1-3 strengths that are relevant to predicting your success at the job and company. Carefully read the job posting and talk to current employees. Find out if there are common strengths that lead people to excel in the role. Stay away from overly generic and lazy answers, like ?I'm a people person.? Instead, give solid examples of how your relationship building, research, and clear communication brought it and retained top clients at your last job. Highlight common themes in your achievements, and link them to tangible results. This question is basically: Why should we hire you?*

**What is your biggest weakness?**

*Please don't go with the humble brag, of "I'm such a workaholic, or people say I'm too much of a perfectionist." Give a weakness that is a genuine, but acceptable for the job you are applying to. For example, if you are interviewing for a programming job, you could say that one of your weaknesses is public speaking, which would have little bearing on doing your job. Similarly, some weaknesses, such as micromanaging or giving feedback too directly can be acceptable in certain positions. Tell a story where you learned from a mistake. Give an example where something relatively minor went wrong, and what you learned from it. Focus on what you learned, and keep it positive.*

Screenshot of a web browser showing the "TOPICS FOR COMPUTER SCIENCE" section of a quiz portal. The page displays logos for various programming languages and databases.

**Topics for Computer Science:**

- Java
- JavaScript
- SQL
- Python
- CSS
- PHP
- Linux
- mongoDB



localhost:8084/PlacementAssured/login

QUIZ PORTAL HOME ■ LOGIN ■ REGISTER ■ FEEDBACK ■ BACK TO PLACEMENT ASSURED

Don't have an account, click here to [Register](#)

### Login

1  
.

[Login](#)

Show all downloads... 04:25 02-12-2015

localhost:8084/PlacementAssured/exam/review

### Quiz Review

1. \_\_\_\_\_ command is used to count the total number of lines, words and character in a file ?

1. countw  
2. wcount  
3. wc  
4. count p

Correct Answer: 3

Unanswered

---

2. \_\_\_\_\_ command is used to remove the directory ?

1. rdir  
2. remove  
3. rd  
4. rmdir

Correct Answer: 4

04:33 02-12-2015

## Testing:

The code written and implemented till date has been running successfully. It is clearly demonstrated through the snapshots attached.

## References:

- [www.google.com](http://www.google.com)
- [www.stackoverflow.com](http://www.stackoverflow.com)
- [www.simplifiedcoding.com](http://www.simplifiedcoding.com)

The following articles from Oracle helped me a lot to learn and implement

- <http://docs.oracle.com/javaee/6/tutorial/doc/bnaf.html>
- Various youtube channels.





