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# HTML BASED APTITUDE TEST WEBSITE DEVELOP ON VISUAL STUDIO


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**ABSTRACT:**

The students appearing for placement and prepare themselves by appearing for mock tests. For this they require an internet connection, which is not possible to access everywhere today the smart phones have replaced desktop PC's and laptops in many manners. There are offline website available for aptitude tests but there exits none that provides the test for all sections with random set of questions, timer for each test, tutorials, score calculation and maintaining statistics in one single application. This paper provides a comparison of the existing aptitude website available in market along with the idea of developing a website that overcomes the flaws of the existing website. This project has been developed within the framework of the current study that provides its users within the framework of the current study that provides its users with a fast, effective and efficient learning environment, thanks to today's various mobile devices.



**KEYWORDS:**

**MOBILE DEVICE, MARKET, RANDOM, CONNECTION, APTITUDE, DEVELOP.**


## INTRODUCTION

Today, it is seen that many people that prepare for their interviews are studying in buses, in park or in a cafe with a text book in their hands. The tests prepared via electronic exam system, now have been an alternative for those who prepare for their exams by using their personal computers or mobile devices. Connecting such services requires a computer and an internet access. In other words, it is necessary that students must be in an environment which provides above mentioned conditions in order to access such electronic exam systems. Mobiles are an integral part of daily life. With time, customers are expecting best and very versatile website in less time. It is big challenge to develop high performance mobile website in this competitive market that would meet the expectation of customers. The advancement in mobile technologies as well as mobile phones competes in the market. The users use various website in their day-to-day life to reduce the burden of work in some way or the other. One of the uses of mobile devices is "mobile learning", which can be defined as "all kinds of learning that do not take place in certain predetermined fixed places". The student appearing for placements and other engineering related entrance exams, have to prepare themselves in technical as well as non-technical areas, for this they have to accumulate study material from different sources .

## EXISTING SYSTEM

Existing aptitude website it consists of section like quantitative, verbal, logical, computer Fundamentals, brain teaser and certain categories like home, favourites, tutorial, test, scoreboard, timer. This website has various points like it provides a good user interface but it only contains 20 questions in each section. During the test it provides some kind of hint to users for solving the question.

## PROPOSED SYSTEM

By considering the pros and cons of the existing website,

this website has been developed to cover all the features and overcomes the cons of the already existing website. By keeping in mind, the users need and the topics that are important for placements and this app consists of many sections Quantitative, verbal and logical, Computer fundamental, fundamentals, programming Languages.

**HOME:** This option leads the user to the main page of our website .The main page consists of test topics like Quantitative, verbal and logical, programming Languages, brain Teasers, computer fundamentals and all in one test.

**TEST:** Each section will contain 20 questions. During test the user will also be provided with the hint to solve the question and a help option to help the user learn the website. The user can also skip and jump to any other question by using go to option. The attempted and the attempted questions are differentiated by using specific colours.

**SCORE BOARD:** After each test, the score will be calculated .This section wise statistic will also be available for future reference. The user can also erase all the scores for a fresh start.

**TUTORIAL:** For each section like Quantitative ,verbal and logistic, Computer Fundamentals, Programming Languages, Interview, tutorials will be provided that can be referred anywhere and anytime conveniently.

**ABOUT US:** This option gives the information about the developers of this website and what is this about.

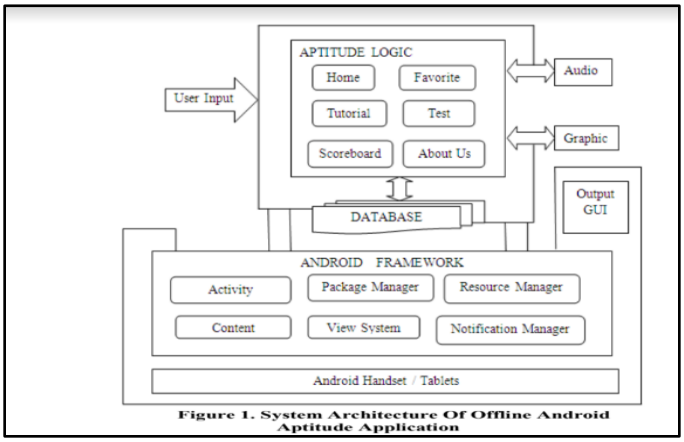



Figure 1. System Architecture Of Offline Android Aptitude Application

## SYSTEM DESIGN

## USECASE DIAGRAM

A usecase diagram is used to represent the action by the user in a system.it has roles and actions. Each uses/roles has different privilege and each each perform different actions. For the Aptitude website there is only one user and the user can do the below actions:

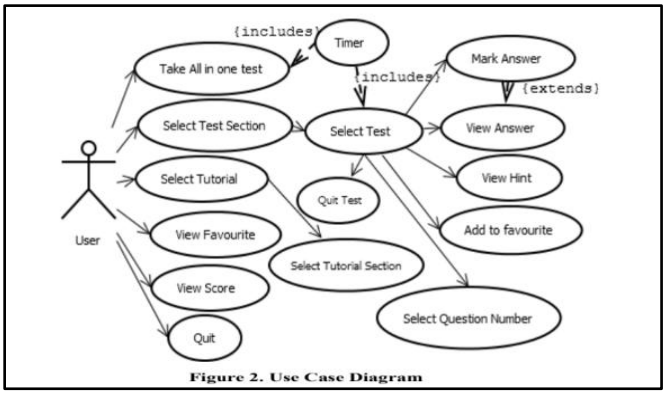
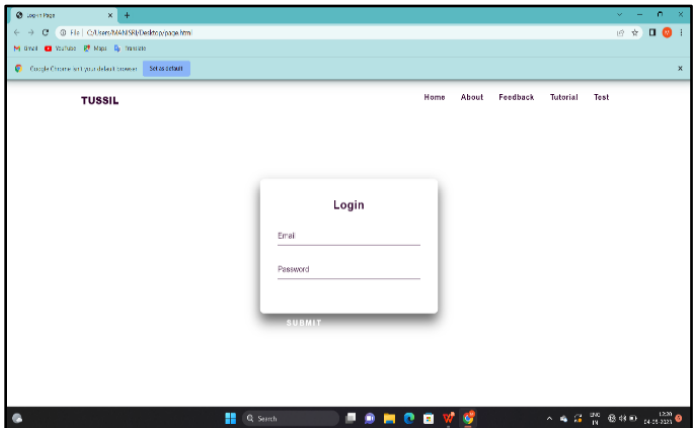
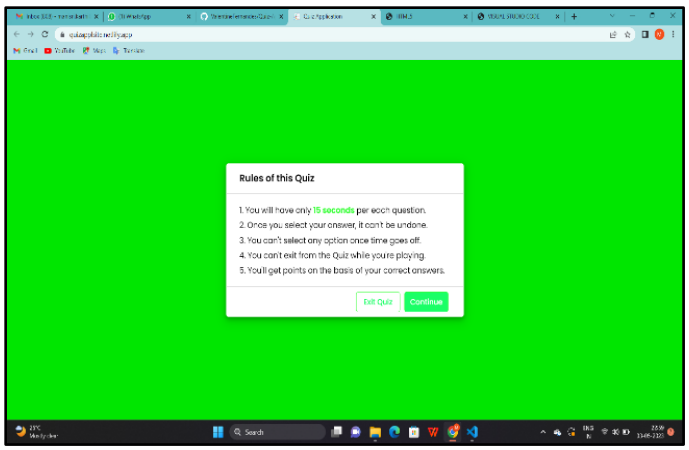


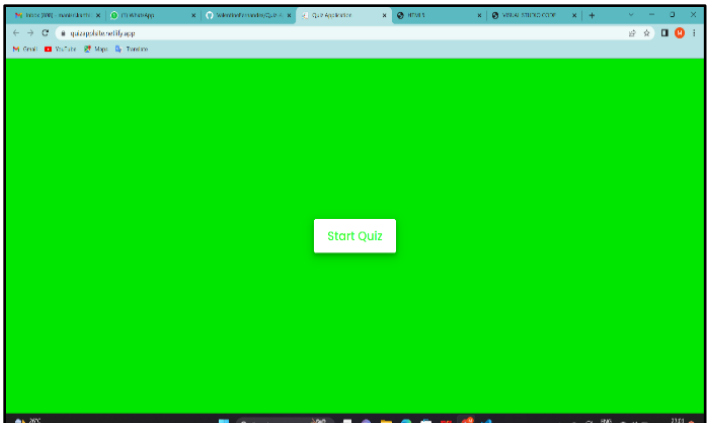

Figure 2. Use Case Diagram

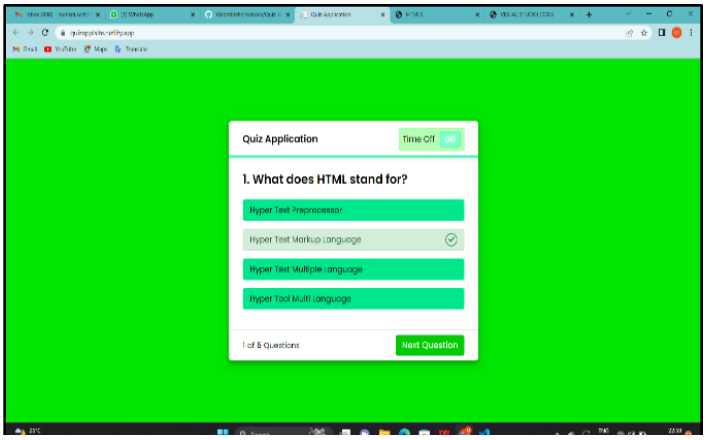
## IMPLEMENTATION

On starting the offline aptitude website, the main screen is loaded with the header that provides navigation to the score board of the appeared test, questions that are marked as favorites and tutorials. The dashboard area has 5 section namely Quantitative, Programming languages, verbal and logical, brain teasers, computer fundamentals. The test with a random set of question will be started by selecting any of sub section. Simultaneously a timer will be started. The user can jump to any other question by using the go to option. The user can jump to any other question by using the go to option . The user can finish the test before the timer elapses, or once the time is up, the user can pause the test, which will freeze the entire test and timer as well, and later the user can resume the same test from the same state.






## CONCLUSION

This research paper discusses about the fine points and flaws of the 5 top most android aptitude website. In view of the need of the students for placements and other entrance exams, this website has been developed in the most preferred mobile operating system website. This website has been developed to overcome the flaws in the existing system like properly categorizing the sections, providing section wise tutorials, random set of questions and timer for each test, maintaining score board along with a user friendly and attractive and easy to use user interface. It is designed as a training tool for job aspirants and various aptitude tests.

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