

STUDENT ALMANAC

Divager¹, Keerti², Mansi³

¹Assistant Professor, Computer Science & Engineering, SRM University, Tamilnadu, India

²Student, Computer Science & Engineering, SRM University, Tamilnadu, India

³Student, Computer Science & Engineering, SRM University, Tamilnadu, India

ABSTRACT

Student Almanac is the android application in which students can find out all the things required for them in one place. It also consists of features like Date remainder, College event alerts, holiday list and exam scheduler. College event alerts provides useful information on the upcoming and ongoing events in the college. Date remainder gives the remainder on the personalized events set by the user. Holiday list will contain the list of holidays on particular year in the college. Admin will be uploading the current updates by logging in to the android application, Students can access this anytime.

Keyword—date remainder, college event alerts, holidays, exam scheduler, notification, logging, admin.

1. INTRODUCTION

Student Almanac has the ability to solve the problem according to the student requirement related the current events and upcoming events in the college, exam schedule, holiday list further more it has the ability to give alerts to the user. This android application is built to contain all the happenings which is going on in all respective years and it will give the solution which are not available on other applications which are being used in colleges. The resolution of this project is to make easier when they are in need of the status of the events happening all around in the college. Students will be using this android application made by us and technically we are making this so that it could be further used by university now or in future as well. It consists lots of features. Date remainder, College event alerts, holiday list and exam scheduler. College event alerts provides useful information on the upcoming and ongoing events in the college. Date remainder gives the remainder on the personalized events set by the user. Holiday list will contain the list of holidays on particular year in the college.

The scope of this project is to make the work for students easier when they are in need of the current happenings in the college. Students will be using this android application made by us and technically we are making this so that it could be further used by universities now or in future as well.

2. DOMAINS USED

2.1. CSS

Cascade Style Sheets is a style sheet language used for describing presentation of a document written in markup language. It is a cornerstone technology used by many websites to create visually engaging web pages, user Interfaces for web and mobile applications. Filename Extension is “.css” It is designed to enable separation of presentation and content including aspects such as fonts, colors and layout. CSS specifications are maintained by World Wide Web Consortium (W3C), which operates a free CSS validation service. CSS has a simple syntax. Elements are specified by attribute such as id and class. These are case sensitive, start with letters and alphanumeric characters and underscores. CSS can define color, font, text alignment, borders, layout. Using CSS, same element can be coded using style properties instead of HTML attributes. CSS also has inheritance feature which relies on the Document tree which is hierarchy of XHTML elements. Properties inherited are color, font, letter spacing. Provides publication of contents in multiple presentation formats.

2.2HTML

It is a markup language used for structuring content and Presenting it on the World Wide Web.”.html” is the Filename extension. It introduces “Application Programming Interfaces”(API) for complex web applications. New page structured elements such as <main>,<section>,<article>,<header>,<figure> were added. Polyglot markup have been standardized as modules. It consists of elements,attributes. For example <footer> which usually refers to Last lines of HTML code. <nav> refers to website Navigation block. HTML5 is no longer based on SGML which is a Standard Generalized Markup Language. New API’s such as Canvas, Drag-and-drop, MIME type, Micro data, WebMessaging and Web storage have been introduced.--HTML5 cannot provide animations within web pages.--It is designed such that old browsers can safely ignore new HTML5 constructs.--It provides scripting API’s, can be used with JavaScript--API and Document Object Model are now the Fundamental parts of HTML5 specification.--It is extended to XHTML5(XML-Serialized HTML5).

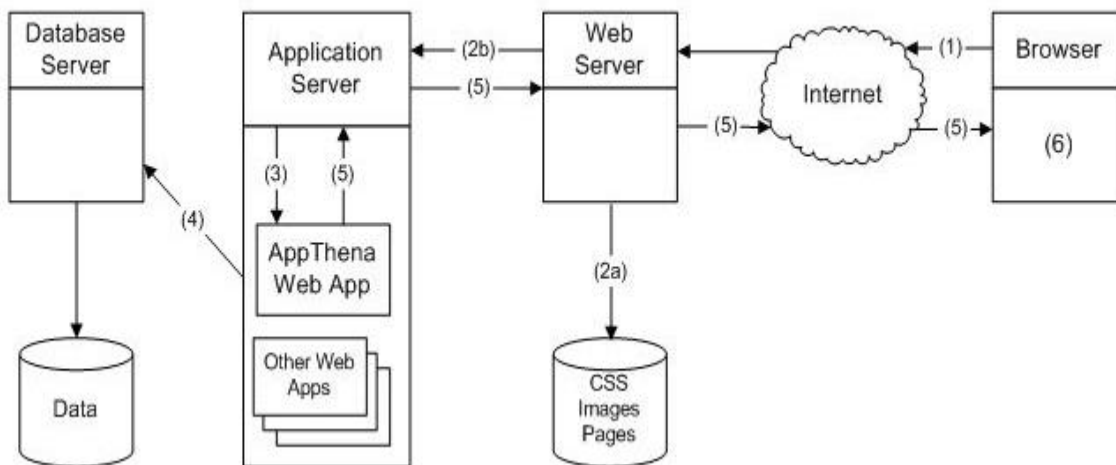
2.3.JSP(JAVA SERVER PAGES)

Technology that helps software developers create dynamically generated web pages based on HTML,XML-- It is similar to PHP and ASP, but it uses Java Programming Language.

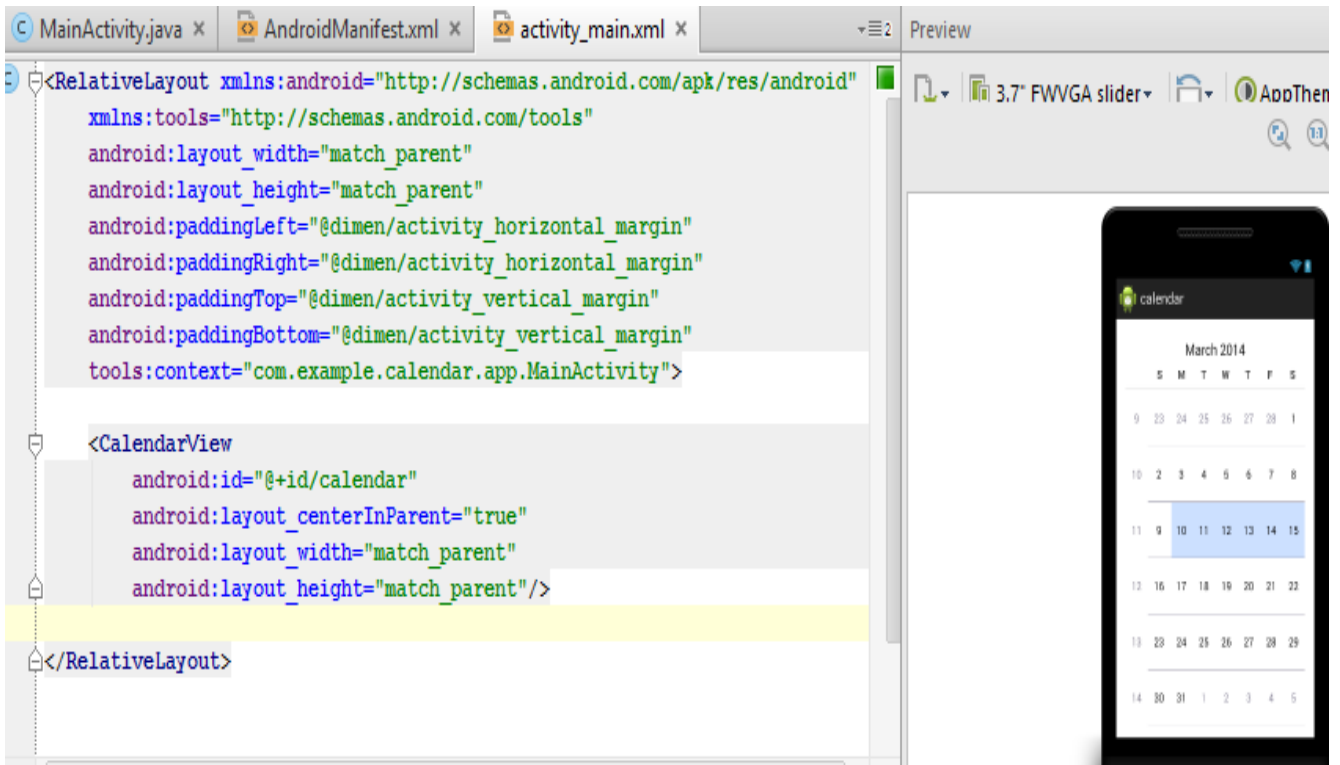
Filename extension is .jsp --To deploy and run Java Server pages, a compatible web server with servlet container, such as Apache Tomcat or Jetty is required.--It has high-level abstraction of Java Servlets --Each JSP servlet is cached and re-used until original JSP is modified.

2.4JAVA SCRIPT

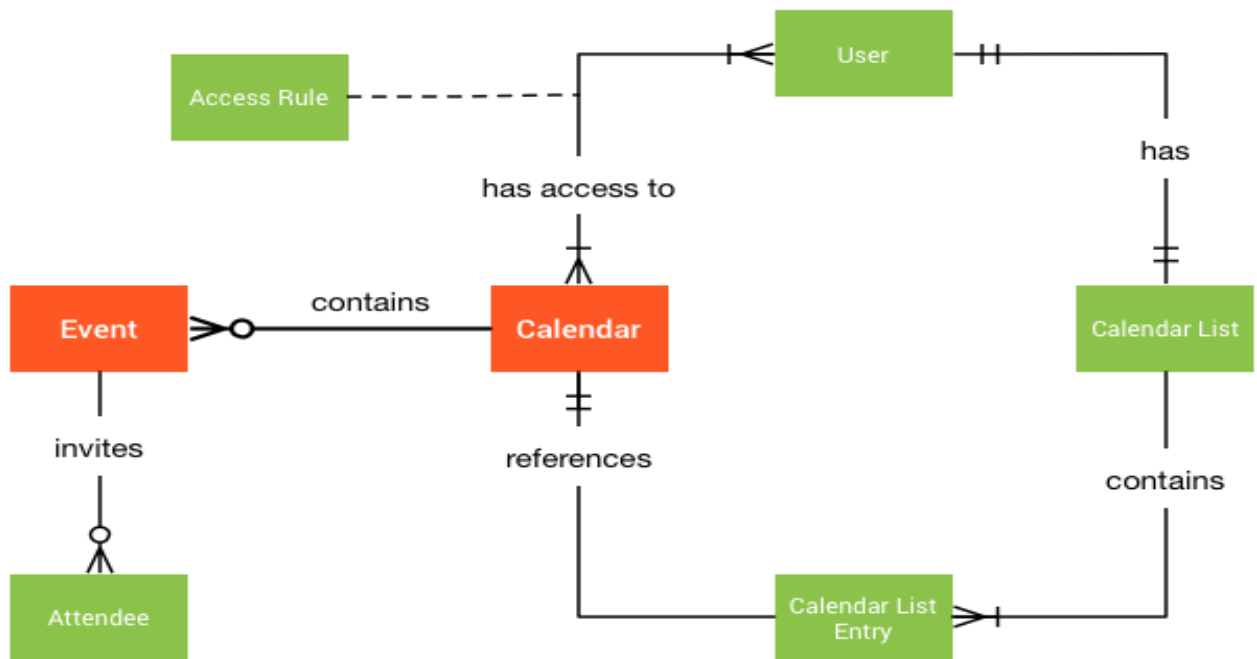
It is high-level, object-based, interpreted Programming language. Majority of websites employ it and all modern web browsers support it. Filename extension is “.js”. It has API for working with tet, arrays, dates, and the regular expressions of DOM. Java Script engines are now embedded in many other types of host software. JavaScript available for writing mobile and the desktop applications. It supports much of the structured programming syntax. It makes distinctions between expressions and statements.



A database server is a computer program that provides database services to other computer programs or computers as defined by the client- server model. The term may also refer to a computer dedicated to running such a program. Database Management system frequently provide Database server functionality and some DBMSs like MySQL rely exclusively on the client-server model for database access. Such a server is accessed either through a front end running on the user’s computer which displays requested data or the backend which runs on the server and handles tasks such as data analysis and storage. In a master-slave model, database master servers are central and primary locations of data while database slave servers are synchronized backups of the master acting as proxies. Most of the database servers works with the base of the query language. Each database understand its query language and converts it to the server readable form and execute it to retrieve the result. Every server uses its own query language and structure.



3. ARCHITECTURE DIAGRAM



4. MODULES

- DESIGNING(Front End)- In this module we have done the front end designing HTML for the layout ,CSS for the font styles and to look our web application adorable. Java Script is applied on some web pages for the front end coding.

- **BACK END-** In back end procedure, Java is applied as well as MYSQL is also there for the database management.

4.1.HOMEPAGE

It consists of various navigations to the components of the android application. It consists of student's login into the app, welcome toggles and password fields.

4.2EXAM SCHEDULAR

It is used to give the students a remainder about the university exams. Even if the student forgets about a particular exam the app will be designed in such a way that the remainder will be given a day before which eases the life of the student.

4.3. ALMANAC

Almanac works as a college magazine and keeps the students updated with the events scheduled on a particular day in the college.

Even if the date, venue or any other information of the event is changed the user can immediately view the update with a pop up message. This saves time and keeps the faculty and the students updated.

5.EXISTING AND PROPOSED SYSTEM

As it's known, there are already many applications for exam schedules and college updates, but none of them help the students to get immediate alerts on the events going on in the college and getting exam scheduler remainders.

Our android application has the ability to overcome this existing system by providing the means for it. Previously the applications which were running in colleges has the disadvantage of less users facilities, and less alert notification facilities. Our android application will overcome this flaw.

6.FUTURE ENHANCEMENT

The resolution of this project is to make the work for students easier when they are in need to know the current happenings in the college. Students will be using this android application made by us and technically we are making this so that it could be further used by universities now or in future as well.

7.REFERENCES

- 1) IEEE (Base papers)-> Educational Date picker data analysis for content management.->Successful Measurement of content management system application.
- 2)W3schools.com
>HTML

8.CONCLUSION

This android application Student Almanac serves as a best place for the students. Date remainder provides any personalized data remainder by the user. College event alert gives the information on the upcoming and ongoing events in the college. Holiday schedule gives the list of holidays in the college on a particular year. Exam scheduler keep the students updated with the university exam schedule. Once this web application gets into equation, both the students and the faculty will get benefitted.