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Electronic Diary: Assessment, Current Condition and Implementation of Application

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Abstract: ***The latest technological boom has moved the area of recorded medical results (PROs) into a new age. Using a very good user interface the application e-Diary is used to record your diary electronically. This application is used not only for managing your diary but also for managing your favorite songs, videos, websites, contacts and events.. In this paper we will also show the implementation of Application of Electronic Diary.***

Keywords: Ecological Momentary Assessment, Electronic Diary.

I. INTRODUCTION

Electronic Diaries is a way to have a replica of a journal on your screen. It allows people to search their appointments and to label appointments on online "regular pages." Because the machine keeps the specifics of every consumer schedule, meetings and conferences will be recorded in advance. Software use often brings versatility into the diary style, offering various perspectives, such as year, month, or week. In comparison to a paper journal, as required, the machine automatically inserts fresh sheets, extra space for each day, and preserves copies of diaries for years gone by.
While this is useful, an electronic diary has the most important advantage over a paper one in its ability to be shared. Contemporary core of diaries go back to at least the early part of the 20th century as a form of data collection. In order to better understand the etiology and course of symptoms, patients were asked to keep an ongoing record of symptoms that could be reviewed by the physician.[1] However, it was not until later in the century that the method gained scientific attention.

II. CONVENTIONAL SELF-REPORT QUESTIONNAIRES VERSUS MOMENTARY ASSESSMENT

Traditional baseline and post-treatment assessment of symptom severity with a questionnaire is by far the easiest from a practical and economic point of view. Many self-reporting instruments have a long history of use in clinical trials, and associated data with good reliability and validity. They are inexpensive for use by the investigator and imply minimal burden on the patient.

Why, then, was there a movement towards more burdensome diaries?

III. EXISTING SCHEME

All functions such as allowing e-diary, arranging meetings, activities , personal records, favourite blogs, music, videos are all distributed through different apps within the current program. There are still some applications which simulate these features in an e-way. All these features are integrated in this application and all those can be easily scheduled in any way the user wants.

IV. PLANNED SYSTEM

The program suggested allows for the customer to manage timetable, contact Policy, timing activities, and hold favorites

V. ARCHITECTURE

This application is based on three-tiered architecture. The three structures are Presentation tier, Application Level, Data Tier

A. Presentation Tier

This is the application 's tallest point. The overview rate shows information pertaining to items such as product searching, ordering and contents of shopping carts. It connects with other third parties via the processing of data to the browser / client tier and all other network thirds.

B. Application Tier (company / logic level)

As its own row, the logic tier is taken out of the presentation tier and. It manages the performance of an application by doing thorough analysis.

C. Data Tier

This tier consists of servers for databases. Data is saved and collected here. This rate holds data impartial and separate from business logic or device servers. Giving data its own tier also increases accuracy and scalability.

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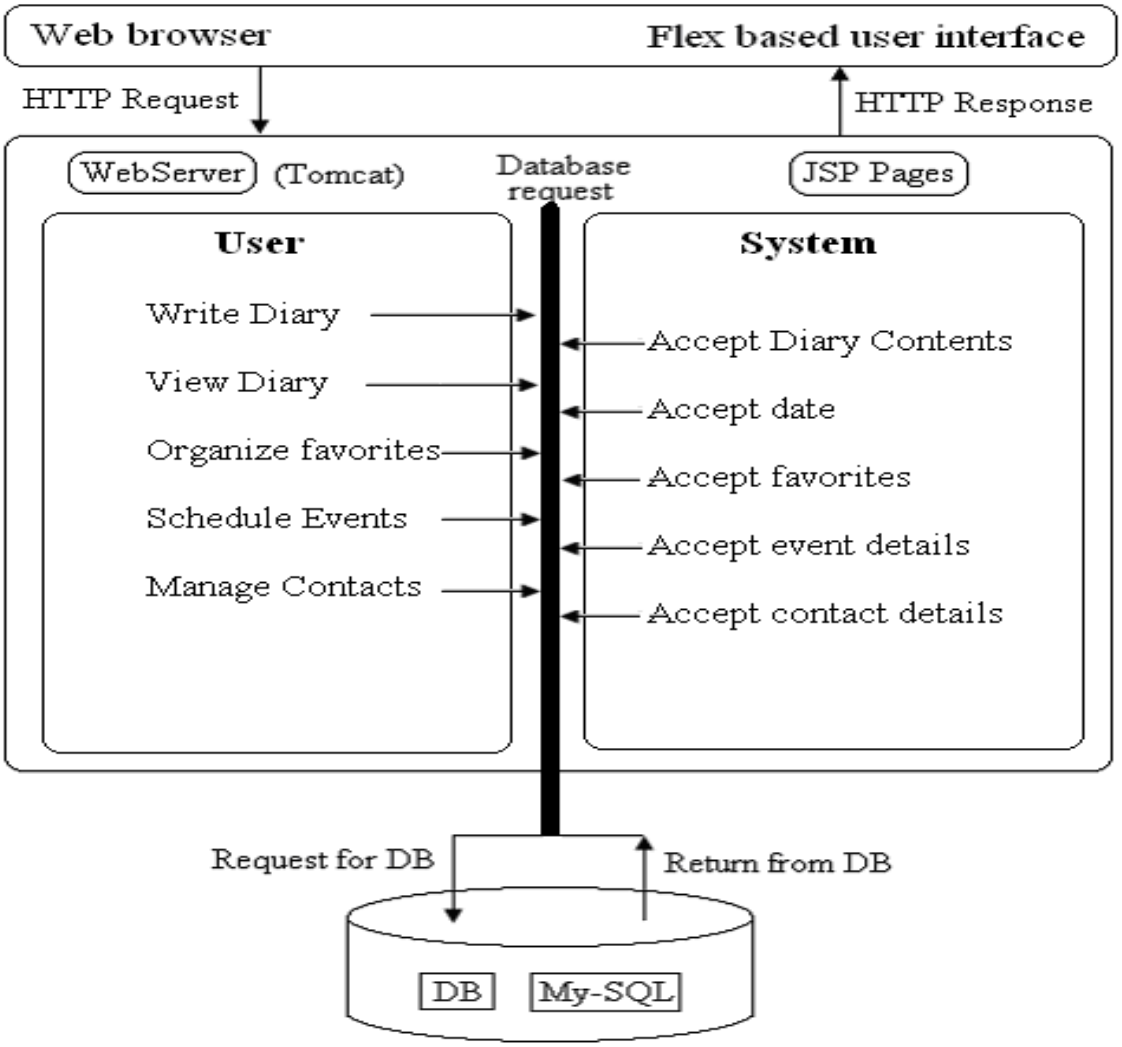

VI. SERVER GROWTH

Database design is the process by which a comprehensive database model is created. This logical data model includes all the required choices in conceptual and physical architecture and the physical storage parameters needed to produce a specification in a Computer Description Format, which can then be used to construct a database. A professionally delegated layout of the data includes specific attributes for each person.

A. Database Tables

Contacts

This table is used to store contacts details

Fields	Data Type	Size	Constraints
Id	Varchar2	20	Primary Key, Auto increment
Name	Varchar2	50	not null
Home phone	Varchar2	10	not null
Personal phone	Varchar2	10	not null
Office phone	Number	10	not null
Address	varchar	50	not null
Mailid	varchar	35	not null

Videos

This table is used to store the details of videos

Fields	Data Type	Size	Constraints
Id	Int	20	Primary Key
Path	Varchar2	70	not null

Music

This table is used to store the details of Music.

Fields	Data Type	Size	Constraints
Id	Int	20	Primary Key
Path	Varchar2	70	not null

Diary

This table is used to store the details daily diary.

Fields	Data Type	Size	Constraints
Date	Int	2	Primary key
Month	Int	2	Primary key
Year	Int	4	Primary Key
Content	Varchar2	50	not null

Events

This table is used to store the details the events.

Fields	Data Type	Size	Constraints
Date	Int	2	Primary key
Month	Int	2	Primary key
Year	Int	4	Primary Key
Hours	Int	2	not null
Minutes	Int	2	not null
To do	Varchar	50	not null

VII. TEST CASES

Test case #1	
Test Objective: Write Diary	Priority(H,L): H
Test Description: This test case will verify whether the user is able to write the diary	
Requirements verified: Yes	
Test environment: Flex,J2EE(JSP),Database (My-SQL)	
Pre-conditions: State server is running	
Input : user enters the diary	Output: diary is saved
Pass: Yes Conditional pass: - Fail: -	

Test case # 2	
Test Objective: View Diary	Priority(H,L): H
Test Description: This test case will verify whether the user is able to view his previous diary	
Requirements verified: Yes	
Test environment: Flex,J2EE(JSP),Database(My-SQL)	
Pre-conditions: State of server is running	
Input : Valid details are entered in all fields	Output: diary shown
Pass: Yes Conditional pass:- Fail:-	

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Test case # 3	
Test Objective: Organize videos	Priority(H,L): H
Test Description: This test case will verify whether the user is able to organize his videos	
Requirements verified: Yes	
Test environment: Flex,J2EE(JSP),Database(My-SQL)	
Pre-conditions: State of server is running	
Input: path of the video	Expected results: video path is stored
Pass: Yes Conditional pass:- Fail:-	

Test case # 4	
Test Objective: Organize music	Priority(H,L): H
Test Description: This test case will verify whether the user is able to organize his music	
Requirements verified: Yes	
Test environment: Flex,J2EE(JSP),Database(My-SQL)	
Pre-conditions: State of server is running	
Input: path of the music	Expected results: music path is stored
Pass: Yes Conditional pass:- Fail:-	

Test case #5:	
Test Objective: store contacts	Priority(H, L): H
Test Description: This test case will verify whether the contacts are stored	
Requirements verified: Yes	
Test environment: Flex,J2EE(JSP),Database(My-SQL)	
Pre-conditions : State of server is running	
Input: The user enters the contact details	Output: contact details are stored
Pass: Yes Conditional pass:- Fail:-	

Test case #6:	
Test Objective: store events	Priority(H, L): H
Test Description: This test case will verify whether the events are stored	
Requirements verified: Yes	
Test environment: Flex,J2EE(JSP),Database(My-SQL)	
Pre-conditions : State of server is running	
Input: The user enters the event details	Output: event details are stored
Pass: Yes Conditional pass:- Fail:-	

VIII. IMPLEMENTATION

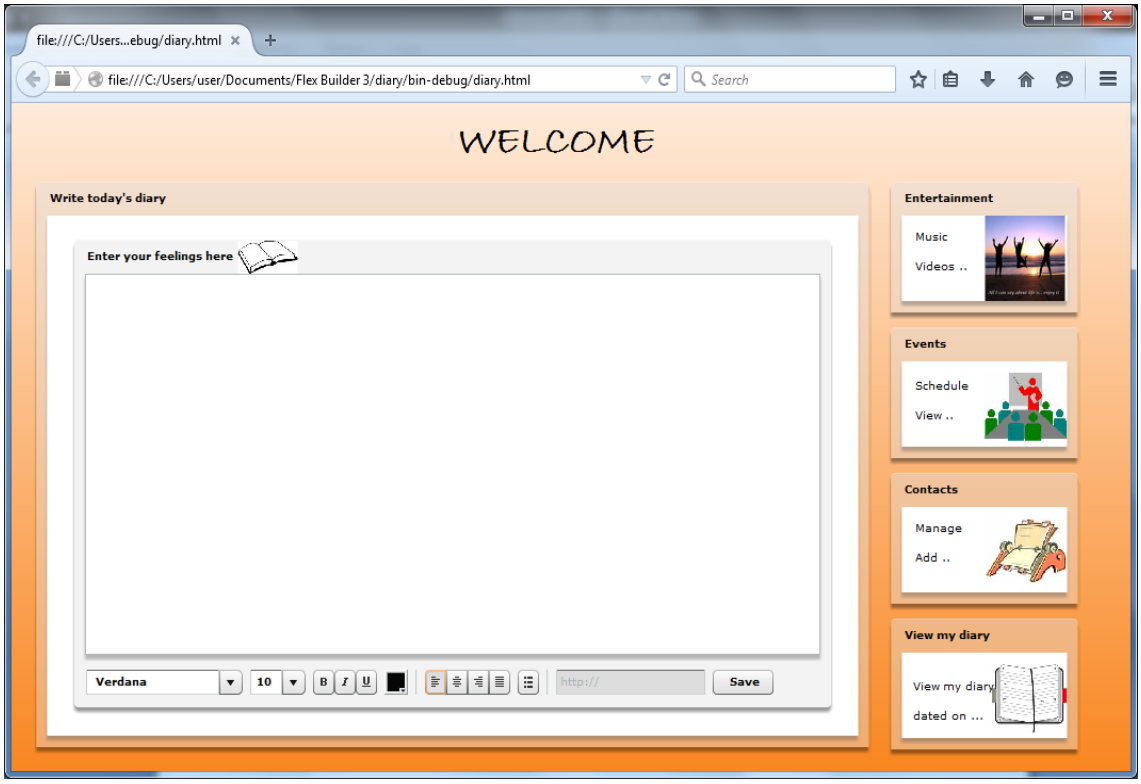

Fig 1. Screen to write diary

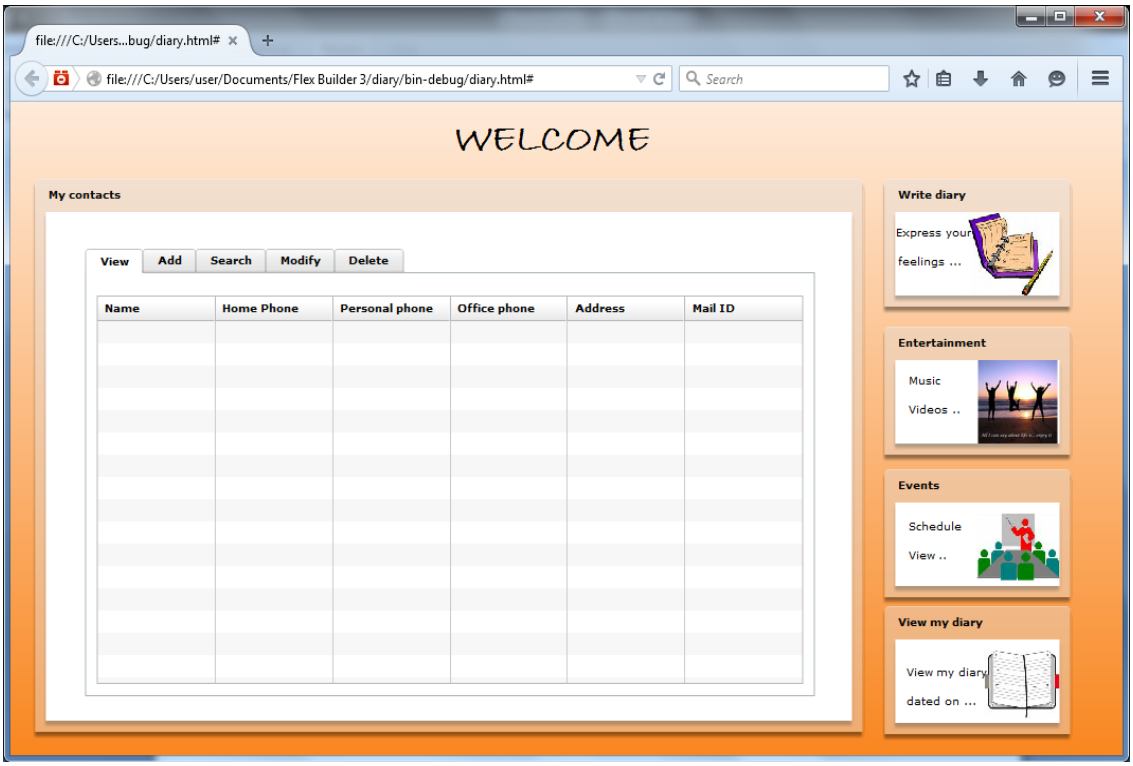

Fig 2. Screen for using Contacts

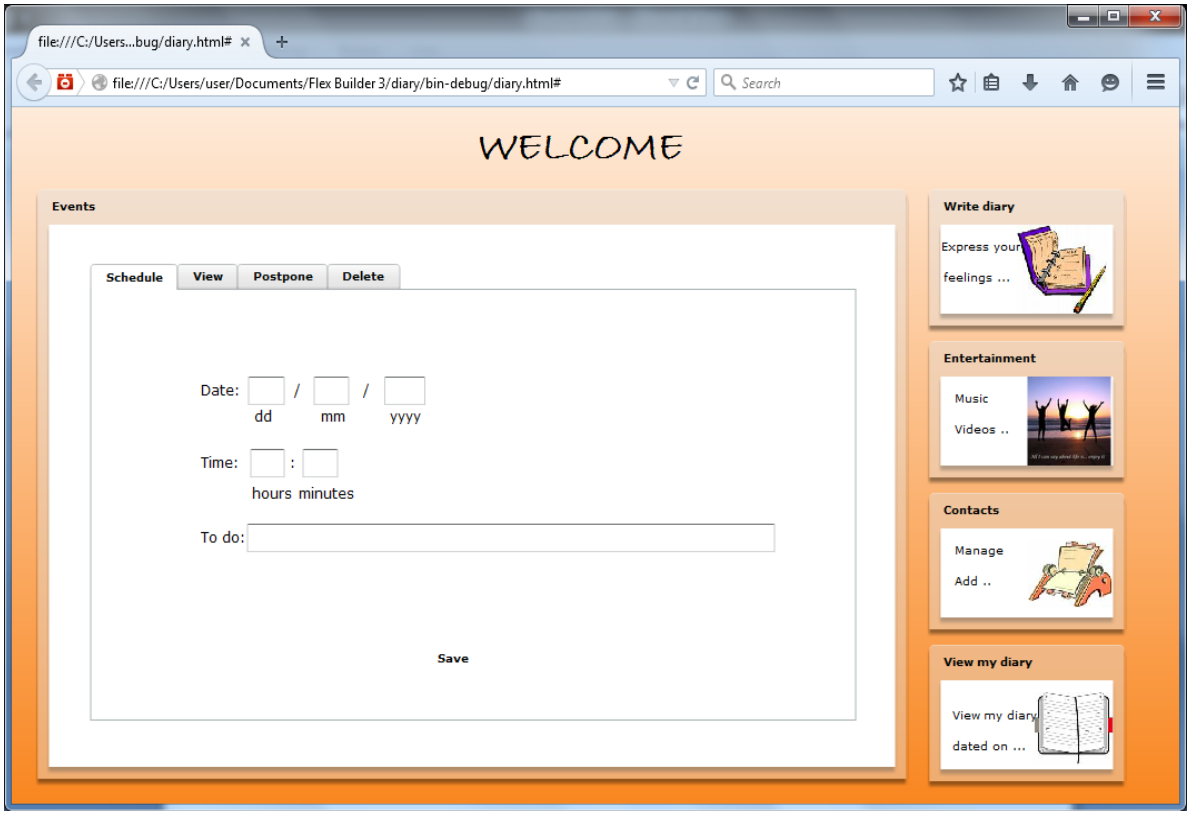

Fig 3. Screen for using Events

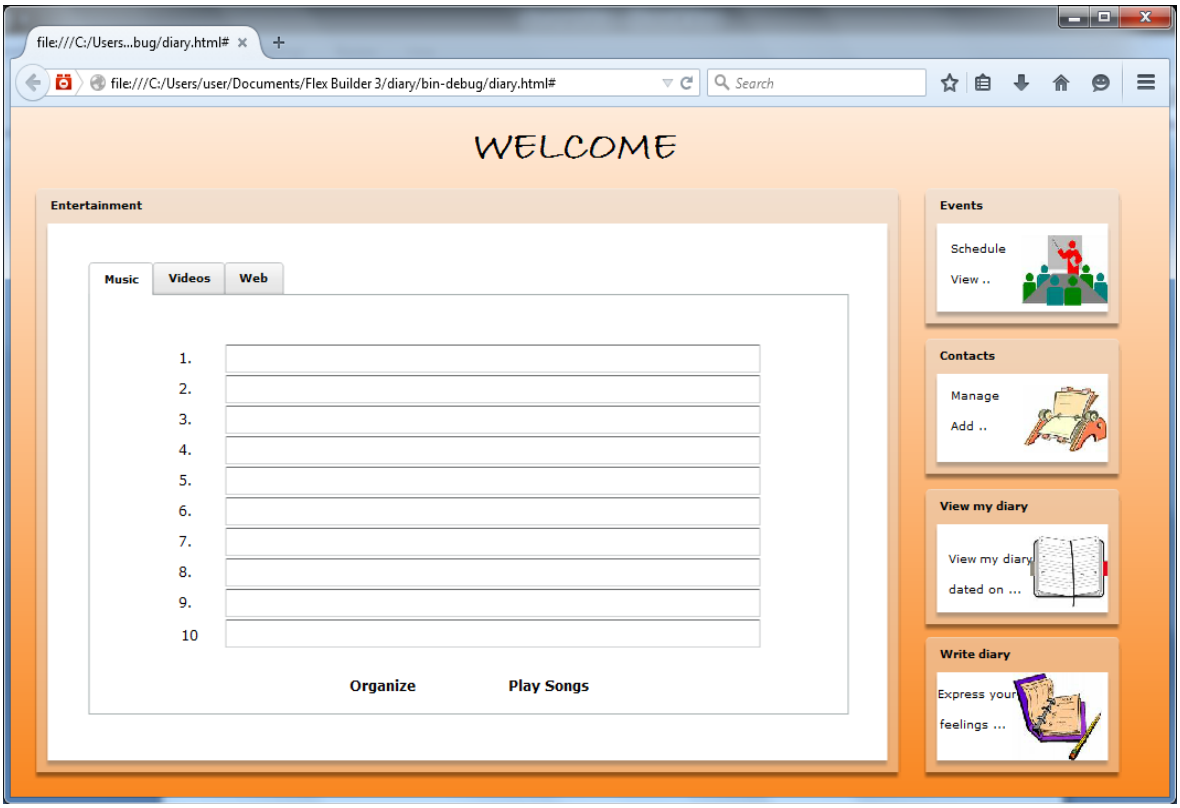

Fig 4. Screen for using Entertainment

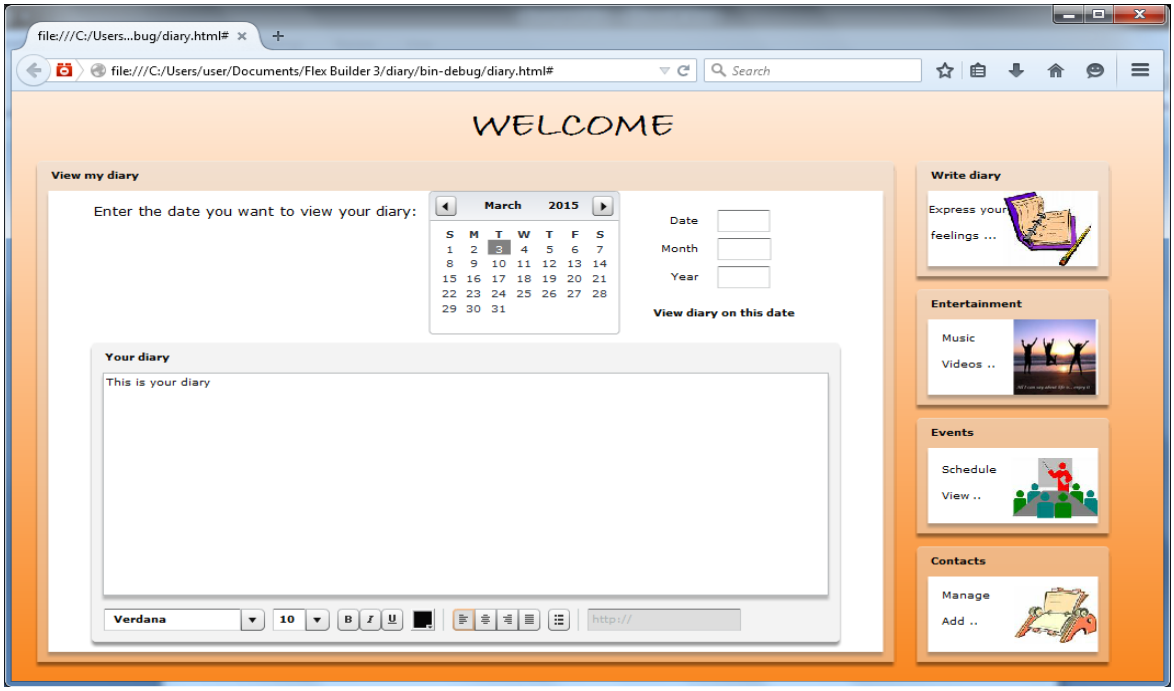

Fig 5. Screen to view diary on a given date

IX. CONCLUSION

The topic of data interpretation is another essential concern for studies that use diaries that produce multiple in-person measurements. While creating a single mean rating for the reporting period may be appropriate to aggregate across ratings in some cases, in many cases the complexity of the data issues will dictate a more sophisticated approach using multi-level modeling. Several evaluations of these measures are available.[42,49,50] In view of the multiple ratings provided by diaries, it is possible to analyze the durability of the system being evaluated and the volatility over time in ways not available in the conventional single-point assessment process.

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