CMSE322 Group 2 HW 1

EMU Student’s KIT

Functional Requirements:

### 1. User Requirements:

* R1.1: The user should be able to add, edit and delete his timetable.
* R1.2: The user should be able to add, edit and delete his exams timetable.
* R1.3: The user should be able to add, edit and delete courses.
* R1.4: The user should be able to add, edit and delete text in the notes page.
* R1.5: The user should be able to add, edit and delete pictures in the notes page.
* R1.6: The user should be able to add, edit and delete voice recordings in the notes page.
* R1.7: The user should be able to add or change the applications lock pin through the  
   settings page.
* R1.8: The user should be able to choose the desired notifications time frame through the  
   settings page
* R1.9: The user should be able to choose the background of the application through the  
   settings page.
* R1.10: The user should be able to choose the color theme of the application through the  
   settings page.
* R1.11: The user should be able to choose what notifications he wants to receive through  
   the settings page.
* R1.12: The user should be able to input current grades and calculate GPA/CGPA in GPA/CGPA  
   calculator page.
* R1.13: The user should be able to send direct messages, and complaints through the  
   contact us page.

### 2. Admin Requirements:

* R2.1: The admin should be able to add, edit and delete events in the academic calendar.
* R2.2: The admin should be able to edit the interactive map’s locations and places of interest.
* R2.3: The admin should be able to add, edit and delete the bus schedules.
* R2.4: The admin should be able to add, edit and delete phone numbers in the information page.
* R2.5: The admin should be able to add, edit and delete office hours in information page.
* R2.6: The admin should be able to add, edit and delete RSS feed links in the news page.
* R2.7: The admin should be able to add, edit and delete contents in the help page.
* R2.8: The admin should be able to add, edit and delete contents in the about page.
* R2.9: The admin should be able to add, edit and delete contents in the contact us page.
* R2.10: The admin should be able to add, edit and delete settings options.

### 3. User Interface Requirements

* R3.1: The user should be able to see and interact with a login page with a pin lock prompt when  
   opening the application.
* R3.2: The home page should contain buttons linked to the following pages:

|  |  |  |
| --- | --- | --- |
| Timetables | Calendar | Map |
| Bus Schedule | News | Notes |
| Info | GPA Calculator | Tasks |
| Settings | Quick add |  |

* R3.3: The timetables page should contain a drop down menu to select “My timetable”, “Instructor  
   timetable” and “Exams timetable”.
* R3.4: The calendar page should contain a drop down menu to select different academic  
   calendar.
* R3.5: The map page should contain a similar interactive map to that on EMU’s website.
* R3.6: The bus schedule page should contain bus schedules as well as bus route maps.
* R3.7: The news page should contain RSS feed up to date with news tab in EMU’s website.
* R3.8: The notes page should contain an applicable interface to input notes, pictures and voice  
   notes for the selected course.
* R3.9: The info page should contain phone numbers, opening hours and announcements for   
   points of interest in the university campus.
* R3.10: The info page should contain emergency phone numbers in TRNC.
* R3.11: The gpa calculator page should contain a GPA and CGPA calculator for students to use.
* R3.12: The tasks page should contain task the student has assigned for courses.
* R3.13: The tasks page should contain a drop down menu to group tasks by course.
* R3.14: Each task in tasks page should contain a checkbox to mark when done.
* R3.15: The settings page should contain button links to the pages: about, help and contact us.
* R3.16: The settings page should contain the option to change the login page.
* R3.17: The settings page should contain the option to change the theme color of the application.
* R3.18: The settings page should contain the options to change the background of the  
   application.
* R3.19: The about page should contain the description of the application as well as the version  
   of the application.
* R3.20: The help page should contain easy and user friendly steps to use the application.
* R3.21: The contact us page should contain a mailto:// link to the admin.
* R3.22: the quick add button should open a menu to quickly add notes, pictures, voice notes,   
   tasks and exams.
* R3.23: Each page should contain a header banner that includes the page title.

\*Requirements may be added, deleted and edited through out the development stage.