## Context of project

The application is simulating a time bomb for a group of game players.

Game master = admin

Players = user/visitor

Page = timer

Backend = admin area in Wordpress

Group of players will have access to application via unique link. In the application there is a timer with a keypad. Each group of players must perform tasks within a set time of hours, minutes, or seconds otherwise the bomb goes off.

## Project Development

* **Custom theme development** {root/plugin and theme/themes/web-timer }
  + As this application is more like a game and needed custom theming so we decided to build custom theming with minimum libraries and resources
* **Plugin development** {root/plugin and theme/plugins/webcountdowntimer}
  + To introduced new custom post types like Countdown data the best way I find to add as MU plugin. As this is the mandatory part of application and application should not run without it
* **Rest Api calls to update visitors time, wrong and right entry data** {root/plugin and theme/themes/web-timer /js/modules/scripts.js}
  + To update “vistors custom post” visitor data on the fly Rest API AJAX calls are used.

Text

Description automatically generated with medium confidence

## Countdown Section on admin Side

1. Login into Admin panel
2. Go to Countdown Section
3. Add new Countdown
   * **Fields available to set countdown using ACF plugin**
     1. Set Time: (The Time within which visitor must perform a task in hours minutes and seconds)
     2. Code to stop timer: (when this code will enter visitor timer stop right away and file for current entry will be played)
     3. Number of incorrect entries:
        1. (These are the number of times you are allowing a visitor if he add a wrong code then only time will be subtracted from his countdown. If you allowed him/her 2 then for the third time when he enter the wrong code countdown will be set to “00:00:00” and paused and Audio file will be played. )
        2. If allowed wrong entries are 3 and subtract time is let say 10 minutes and user count down time left is 4 minutes then when he enters the code the countdown will be dismissed right away. Means “00:00:00” and paused state
        3. If allowed wrong entries are 0 then on first try of visitor wrong code countdown will be disabled.
     4. Timer starts automatically when page is opened.
        1. If Yes then then on page load visitor see the coundown running
        2. If no he/she has to wait for admin to set it from admin panel against each visitor . Then Visitor have to refresh page. As page opened condition is there.
     5. File for incorrect entry Only .mp3, .mp4, .jpeg, .png files can be uploaded
        1. Will be played at wrong code entry and when time ended
     6. File for correct entry Only .mp3, .mp4, .jpeg, .png files can be uploaded
        1. Will be played at right code entry
     7. Subtract time for every incorrect entry
        1. will be subtracted from the countdown time left when wrong code entry made.

Visitors {root/plugin and theme/themes/web-timer /functions.php}

1. Copy unique permalink from countdown and open in separate browsers.
2. When Visitor hit the link it will automatically logged in and timer value will be showed to him
3. Now in admin section a visitor is created and in user section a user is created
4. If admin wants to play with visitor countdown data ,he must change in that visitor record in visitor section.

Admin Actions on Visitors

1. Reset
   1. on edit visitor page of admin side if admin clicks on reset it will ask for confirmation. If admin confirm Countdown data for visitor will be removed from the fields and on update action it will be saved.
   2. Once admin confirms reset button will disappear to avoid again and again clicking to get back the field data admin have to refresh the page if before update he changes his mind not to reset.
   3. Once reset from admin visitor will see the changes on his countdown automatically because of the ajax call made every 15 sec
2. Play
   1. Automatically Visitor countdown action is set to Play and for every countdown to display on screen its value should be Play .
   2. It will play the countdown from the time left .
   3. If visitor countdown is running in browser and admin make change from pause to play then changes will be visible to visitor within 15 second when ajax calls runs
3. Pause
   1. will pause the countdown.
4. If visitor countdown is running in browser and admin make changes in Timer starts automatically when page is opened and uncheck it then make it check after some time. Then visitor must reload the page to run again the countdown.