Updated 05/31/2017 by An

Idea for SQL log hour database

Table:

Users (Username, Password, First Name, Last Name, Year)

Hours (Username, Date, Hours)

Term (TermID, Term\_Description, Start\_Date, End\_Date)

View:

Hours\_Term

Select Username, TermID, Date, Hours

From Hours, Terms

Where Date >= Start\_Date AND (Date <= End\_Date Or End\_Date IS NULL);

Term\_Year

Select TermID, SUBSTRING(TermID,1,4) AS Year

From Terms

TermID follow term ID in Arches (Eg: Spring 2017 => 20163SP)

The end date is the one day before start date of the next term (since Edge open on break), put null in End\_Date of lastest Term

Other Idea: Project table

Eg: Project (Username, TermID, ProjectDescription)

For the front end

User:

Allow choosing and view the term in that year (Using JavaScript to figure out which term in database

Then can select week

Show table of the Hours\_Total View + display button

[Update hours ] => generate choice box for which day + text field for how many hour => send update SQL code (after validate + sanitize text field form)

Admin:

View by week??? Allow choosing all term + all week

View by user => show History of all hour entries from Hour\_Total