

Application Journal

Introduction

This application should be very helpful for teachers to calculate average notes at the end of the term or of the year.

Currently it has following features:

- Supports 2 terms;
- Calculates average notes for the terms and the year;
- Has ability to add and remove test for the term;
- Has ability to predict average notes using the “improved” notes;
- Has ability to automatically calculate what notes should be added to achieve needed result;
- Support following format of the average notes: 2 decimal digits without rounding;
- Supports notes from 1 to 10;
- Translate in different languages (internationalization)
- Note 10 can be represented as “10” and “0”

User Manual

Terms

Every term is represented as following:

Term #1

	Original:	Improved:	Avg:	Avg impr:	
Notes:	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="button" value="Reset"/>
<input type="button" value="Test:"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="button" value="Reset"/>
Avg:	<input type="text" value="0"/>	<input type="text" value="0"/>			
<input type="button" value="Reset Improvements"/> <input type="button" value="Reset all"/>					

Data here can be interpreted by row and by columns.

Interpretation by columns:

1. 1st column has row's names.
2. 2nd column represents original notes that are collected during the school term
3. 3rd column represents “fake” notes that are not collected during the school term. The use of these notes is just for prediction.
4. 4th column shows average notes using only original notes.
5. 5th column shows average notes taking in consideration original notes and improved notes (to see the result of prediction).
6. 6th column are different actions.

Interpretation by rows:

1. 1st row contains columns' names

2. 2nd row represents the notes that are collected or are used for prediction as collected during the term. Reset button at this row resets all the values in this row.
3. 3rd row represents the notes for test or predicted notes for test. Reset button at this row resets all the values in this row.
4. 4th row shows the average notes for the term: original (“Original” column) and for prediction (“Improved” column)

Use of the buttons:

- “Test” button adds/removes the test. In case if the test is removed “Test” row's and “Avg” row's elements are disabled.
- “Reset improvements” resets all the improvements (“Improved” column).
- “Reset all” resets all the information in the term
- Intersection “Notes” and “Avg impr” is a button that usually shows the average notes with improvements. But if this button is pressed, the user has possibility to enter the average value he/she wants to achieve. If the input value is correct, all the data automatically will be distributed to “improved” column in the same row. Averages are recalculated automatically.
- The same applies for the button on intersection of “Test” and “Avg impr”

Annual calculation

Calculate Annual Result!

Original Result:

Improved Result:

Press “Calculate Annual Result!” to calculate annual result. In “Original result” will be seen average annual note using only originals. In “improved result” will be seen average annual note using originals and improved notes. Annual result is calculated as an average between averages for every term.

Future tasks

- make number of terms configurable
- make the highest note configurable
- make the format of the average note configurable
- add tooltips
- make the annual average automatic