

Timeline and Detailing

PROJECT: DATA UPLOAD

Activity

NB: The various activities cited here are detailed in the project proposal.

- (1) Improve spreadsheet data implementation by TEAMMATES
- (2) Implement visibility settings
- (3) Improve spreadsheet data storage
- (4) Implement various spreadsheet data display
- (5) Identification of data type per column
- (6) Application of various operations on data types
- (7) Update all TEAMMATES documentation (README.md, Instructor help etc.)

Detailing the activities:

- (1) :
 - Permit/Implement the upload of spreadsheet data files by instructors
 - Of course, I will have to open, read and extract the data
 - Perform all the tests on the uploaded files
 - Integrate to UI error messages, confirmation messages, success messages etc.
 - First front end ...
 - Then back end
 - Permit/Implement the upload of csv data files
 - Permit the instructor to precise the separator he/she used
 - Of course, I will have to open, read and extract the data
 - Perform all the tests on the uploaded files
 - Integrate to UI error messages, confirmation messages, success messages etc.
 - First front end ...
 - Then back end
 - Vary the separators the instructor can use on the online platform data entry area(not only the pipe)
 - Permit the mass editing of emails (method explained in proposal).
 - Testing
- (2) :
 - Database integration [explained in proposal]
 - Front end : Integrate the various visibility choice points on the interface
 - Back end integration [explained in proposal]
 - Heavy Testing

(3) :

- Study deeply the current data storage protocol
- Make sure the one proposed in the proposal is more optimal.
- Implement it

(4) :

- Study deeply the current database structure
- Modify and adapt it to this function (without disabling other functionalities)
- List all possible types of format(per instructor, per student etc)
- Associate to each the corresponding database instructions best suited
- Front end implementation(how does the user choose the format)
- Front end display of results
- Back end and database querying

(5) :

- List the various data types possible
- List the various parsing techniques(and other unambiguous data type determining functions and algorithms) in Java associated to these datatypes (example the Integer class methods)
NB: Algorithms here refers to coding techniques to identify a data's type(e.g. try catch)
- Implement the most optimal parsing technique for each case
- Heavy testing to identify and treat exceptions

(6) :

- List the various operations we can apply to data types (e.g. average for doubles and integers).
- Implement each of them
- Deal with their storage (or not)
- Front end display of these results

(7) :

- List all the documentation and help files in TEAMMATES
- Update each of them to take into account the results of the project

This is not required but I will go ahead and provide a simple timeline representation of my work :

Period	Number of Weeks	Activity	Deliverable/ Results
Community Bond		Master all TEAMMATES technologies - Get acquainted to other contributors - Master TEAMMATES user functionalities - Master TEAMMATES developer's implementation (the code). - Read and master the coding style and guidance for the various technologies used in TEAMMATES	- Contribute to issue tracker - Contribute to solutions to issues
May 25 – June 1 and June 15 – June 29 NB : Exams btw June 1 and June 15	3 (6 ,6, 4, 3 ,2) days per sub-activity	(1)	Source Code/Pull Request/ Documentation
June 29 – July 13	2 --- Mid term eval	(2)	Source Code/Pull Request/ Documentation
July 14 – July 21	1	(3)	Source Code/Pull Request/ Documentation
July 21 – August 4	2	(4)	Source Code/Pull Request/ Documentation
August 4 – August 18	2	(5)	Source Code/Pull Request/ Documentation
August 18 – August 25	1	(6)	Source Code/Pull Request/ Documentation
August 25 – August 30	5 days	(7)	Updated Doc + Pull Request