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SP2

*Updated backlog and user story estimation:*

|  |  |  |
| --- | --- | --- |
| **Epics** | **Features** | **Functionals** |
| Leave feedback | Anonymity | Encrypt user data in system |
| Pattern of surveys | Create common list of questions for creating new survey |
| Prevent multiple voting | Store anonymous tokens of users that voted in survey |
| View feedback | Different access rights | Students can only view their left feedbacks |
| TA’s can view feedback only about themselves |
| Professor can only view feedback about him/herself and his/her TA’s |
| DoE can view detailed feedback about everyone |
| View detailed report on one person | Charts (e.g. average rating over time) |
| Statistics (average, median, distribution, number of votes, num of written feedback, etc.) |
| View cross-report on several people | Make a rating |
| Make charts of one of statistics over time |

User stories

1. As a student I want to leave the feedback on courses, lectures and labs, so that professors and TA can make improvements for future years
2. As a student I want an anonymity for all the feedback I left so that no one can figure out what feedback I left.
3. As a student, I want to leave a rating for a course so that I do not spend time on filling a written form.
4. As a student, I want to leave a written feedback so that I can describe specific parts of a course in more detail.
5. As a TA I want to view the feedback on labs I am assigned to so that I know how to improve the labs.
6. As a professor I want to view the feedback on my courses, lectures and labs so that I can reflect on what changes I introduce to the course structure and its delivery.
7. As a DoE representative, I want to be sure that no student leaves feedback on a professor or TA more than once so that feedback does not become biased.
8. As a DoE representative, I want to create feedback from templates so that I spend less time when I create similar forms.
9. As a DoE representative, I want system to create report with statistics for specified time period, so that I can see how feedback changes in dynamics.
10. As a DoE representative, I want different access rights for different users so that critics cannot be seen by third parties
11. As a DoE representative, I want to create charts so that I do not spend time on it when I want to share feedback.
12. As a DoE representative, I want system to create rating over all professors based on students feedback so that we can give rewards and penalties according to this rating.

INVEST table

\*sorted by value(if value is equal, sorted by independency)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **US** | **I** | **N** | **V** | **E** | **S** | **T** |
| **10** | 0 | F | 0 | 0 | T | 1 |
| **1** | 1 | F | 0 | 0 | T | 0 |
| **7** | 2 | T | 0 | 0 | T | 0 |
| **2** | 3 | F | 0 | 2 | F | 1 |
| **5** | 3 | F | 0 | 0 | T | 1 |
| **6** | 3 | F | 0 | 0 | F | 1 |
| **8** | 0 | T | 1 | 0 | T | 1 |
| **3** | 1 | F | 1 | 0 | T | 0 |
| **4** | 1 | F | 1 | 0 | T | 0 |
| **9** | 1 | T | 1 | 0 | T | 0 |
| **11** | 2 | T | 1 | 0 | T | 1 |
| **12** | 2 | T | 1 | 0 | T | 0 |

*Acceptance criteria:*

1. **Given**: I am logged in as a student

**When**: I write my feedback on courses, lectures and labs and submit it

**Then**: It is saved in the database

1. **Given**: I am a logged in as a student

**When**: I leave a feedback

**Then**: TAs, professors and DoE representatives cannot find out the feedback belongs to me

1. **Given**: I am logged in as a student and I’m currently on a leaving feedback page

**When**: I select a numerical rate for the course and click “Rate” button

**Then**: My rate is saved, and overall course rating is visible to everyone and is affected by it

1. **Given**: I am logged in as a student and I’m currently on a course page

**When**: I write a feedback on a course in a form of plain text and click “Submit” button

**Then**: My feedback gets saved in database

1. **Given**: I am logged in as a TA

**When**: I open my personal page

**Then**: I can access all the feedback on the labs I am running

1. **Given**: I am logged in as a professor

**When**: I open my personal page

**Then**: I can access all the feedback on the lectures, tutorials and labs of courses I am running

1. **Given**: A student is logged in as a student

**When**: He/she fills in a feedback form

**Then**: That person cannot leave feedback for the form again

* 1. **Given**: I’m logged in as DoE representative and I’m currently on creating form page

**When**: I fill in the necessary fields for the form creation and click “Save as template” button

**Then**: the system saves this template on my account

* 1. **Given**: I’m logged in as DoE representative and I’m currently on creating form page

**When**: I click “Create from template” button

**Then**: the system autofills needed fields correspondingly to the template

1. **Given**: I’m logged in as DoE representative and I’m currently on requesting report page

**When**: I specify the time period, parameters to be considered, course, and a group of people (can be one) related to course (Professor and/or TAs), and then click “Make report” button

**Then**: the system generates an exportable report with all requested data upon the selected parameters

1. **Given**: I’m logged in as a TA or Professor

**When**: I receive feedback

**Then**: system makes sure that no one else can view it except me and DoE

1. **Given**: I am logged in as a DoE representative

**When**: I have the numeric data derived from the feedback on someone or something

**Then**: I have an option to create various charts, graphs and other types of visual data representation based on this data

1. **Given**: I am logged in as a DoE representative

**When**: I specify the professors and press a button “show rating”

**Then**: The system shows me the rating of all professors that I specified based on the student feedback

*Definition of done checklist:*

1. Tested
   1. unit tested
   2. integration tested
2. Code reviewed (other team member(s) reviewed the code, provided advice on possible improvements, etc.)
3. Internal documentation
   1. code commented
4. All functional tests passed (when we try interacting with the system in all possible ways we can think of, the system behaves as expected)
5. All Acceptance criteria are passed (product owner accepted)

Justification for the checklist:

1. Since our project is not that big, and most of the functions operate independently, we do not need to apply a wide range of testing techniques.
2. The code should be reviewed by some other team members for peer review, quality control and consistency.
3. The code should have an internal documentation for higher transparency between developers.
4. Differentiation on Functional and Acceptance tests is needed because we have to check the functionality first, and only that consult PO regarding acceptance.
5. All acceptance criteria should be passed for the story to be considered done.

*Estimation of user stories (SP):*

|  |  |
| --- | --- |
| **User story** | **SP** |
| **As a** DoE representative, **I want** different access rights for different users **so that** critics cannot be seen by third parties | 3 |
| **As a** DoE representative, **I want to** create charts **so that I** do not spend time on it when I want to share feedback | 8 |
| **As a** DoE representative, **I want** system to create rating over all professors based on students feedback **so that** DoE can give rewards and penalties according to this rating. | 3 |
| **As a** DoE representative, **I want** system to create report with statistics for specified time period, **so that I** can see how feedback changes in dynamics. | 5 |
| **As a** DoE representative, **I want to** create feedback from templates **so that I** spend less time when I create similar forms | 3 |
| **As a** DoE representative, **I want to** be sure that no student leaves feedback on a professor or TA more than once **so that** feedback does not become biased | 1 |
| **As a** professor **I want to** view the feedback on my courses, lectures and labs **so that I** can reflect on what changes I introduce to the course structure and its delivery | 8 |
| **As a** TA **I want to** view the feedback on labs I am assigned to **so that I** know how to improve the labs. | 5 |
| **As a** student, **I want to** leave a written feedback **so that** I can describe specific parts of a course in more detail | 0.5 |
| **As a** student, **I want to** leave a rating for a course **so that I** do not spend time on filling a written form. | 0 |
| **As a** student **I want** an anonymity for all the feedback I left **so that** no one can figure out what feedback I left. | ? |
| **As a** student **I want to** leave the feedback on courses, lectures and labs, **so that** professors and TA can make improvements for future years | 3 |