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**1. Project Description**

This project is done at the *Vostok* (beginner) level.

**The aim of the project is to give NUS students a second opinion of their choice of modules.**

Project Description

A website which allows NUS students to give module reviews for the modules they have taken. As there is no official module review website for NUS students, we have taken the opportunity to create one website for this purpose. The reviews are done in the form of ratings (stars) and a comment section to allow NUS students to share their thoughts about the modules. After looking at the reviews, NUS students would have a better judgement on which course to choose.

1. **1st Sprint**

**First Report (Week 3)**

The video report(mockup) can be found at <http://www.youtube.com/watch?v=bEV_eoTL9O4>

Ignition slide: <http://www.youtube.com/watch?v=8ldQs8oYHns>

The mockup powerpoint slides can be found in the Project Folder. Please use the Powerpoint presentation mode if you need a closer look at the slides for further evaluation.

The main features in the mockup are the landing page, which is open to the public, the home page after the user has logged in using his email address, the profile page which contains the user's basic information and the search module page that allows users to search for his desired modules through five cateogeries, namely through the Faculty, Gem Modules, Singapore Studies Modules, Breadth/Unrestricted Electives Modules Outside Student's Faculty and Cross Faculty. After searching for the module, the user can view the module review of the particular module that he has selected. There is also a add review page which allows user to share their personal opions on a particular module with the rest.

For this sprint, we will implement the following three features:

1. The landing page, which everyone can access to.
2. The main logged in(Home) page, which provides navigation for those who have already logged in.
3. The add review page for sharing of opinions on the different modules with other students

**2.1 User Stories**

1.Landing Page

**As a non-user/user, i want to take a look what the website is about without having to log in to know the details and before deciding whether to sign up for the webpage.**

2.Home Page

**As a user, I want to log in to the webpage and manage my own account.**

3.Add Review Page

**As a user, I want to add a personal opinion about a particular module and share with my juniors tips on the module.**

We will also work on the other features required to complete the entire application in the second sprint.

1.Search Page

**As a user, I want to search for the module review if I forget the module code. (By default list all the modules if no search is specifed - helps if I forget the module code but remember module title)**

(If time allows, will consider to do this)

**2.2 Feedback for Evaluation:**

**1. Extraction of module information from NUS websites**

We decided to try out with dummy information first as suggested to test out our logic and if possible we will definitely try to extract module information from NUS website.

**2. Creating incentive for using our website**

We decided to control the user’s access to certain features of our website based on their contribution of reviews to our websites. By doing so this creates “incentive” for people to use our site. This may implemented in the future if possible whereby we shall create accounts such as user, superusers, admin etc. Superusers who contribute regularly get to see modules that are highest rated in different categories which normal users do not have access to. Admin accounts make sure that there is no abuse of our website by removing troll comments etc. We feel that creating an incentive for users is not the main purpose of our website but rather giving users the secondary source of opinion on modules, hence this may be implemented only if time allows.

**3. Issues regarding change of syllabus/lectures**

NUS does not reveal the full syllabus and content of modules. Hence, there is not much we can do if there is a change in syllabus as the information is kept confidential.  However, the date/sem of the module taken will be shown when user makes a review. Therefore, the relevance of review is up to user to decide. We do believe that for a change of syllabus the workload of the module is likely to remain about the same and hence some parts of the review would still be relevant.

**4. Tie up with IVLE end of semester survey**

This tie up requires approval from NUS ivle admin and the survey is kept confidential for NUS staff to review. As our website would reveal the reviews to students, this tie up would not match up as certain information in the survey may not be authorised for open viewing. Our website allows all users to remain anonymous but the reviews are not kept confidential unlike the survey.

**2.3 Progress**

We have managed to implement all of our user stories (Landing page, Home Page and Add Review Page) with sufficient time for other features to be implemented such as the profile page and database. Our Search Page is still under construction due to the overwhelmingly huge NUS module database that needs more time for completion but we will finish it by the second sprint.

**Current Features that are implemented in the 1st sprint**

**Profile Feature**

Twitter bootstrap was used as the template for the form under the Profile page which allows users to edit their own profile and personal information. We created a ‘Persons’ Class in our main python file to store all the attributes of the user’s personal details.  After the user enters the information in, the information will be stored in the GAE data store under the Persons database. Using gql as our client side server, information can be retrieved from the datastore by submitting a gql query. The profile feature has been tested and is currently partially completed. We intend to allow users to upload a profile picture but are still in the midst of making it work.

**Home Page**

Users will be directed to our home page after logging in with their NUSnet id. We used the NUS open id to authenticate users when logging in into our system so as to save as the trouble of creating our own login system. In addition, this is to ensure that access is restricted to NUS students only. Our login system works and users will be redirected to the NUS open id website to proceed with their login. However, our home page is not fully completed as we would still like to add in additional features to our homepage such as a calendar and list of the users ’s recent activities on the website.

**Add Review Page**

The add review page currently allows users to type in the module code and the review of the module for submission. We would like to improve this page by making the review more detailed like putting stars as rating points for the module and introducing certain criteria for rating the module such as amount of workload, level of difficulty etc. (if time allows)

**Search Page**

The search page is still under construction as due to the overwhelming number of modules in NUS we do not have the time to store all the modules in our database. However, we have come out with a table of half of the modules from faculty of FASS so that users could use it as a reference while searching for the modules in the search bar above the table. Users could click on the NUS CORS website that we have linked on the page for any additional information required.

**3.1 Remaining Features**

-Features

-User stories

(in order of priority)

1)Different Searches for the modules that are under construction currently

As a user, if I want to search for module, I hope there wil be categories to choose from(such as search through faculty, breadth, gem etc) so that it will be easier for me to search through and this will save my time.

2)Upload of personal photo in Profile

As a user, I hope to beautify my profile account by enabling me to upload my image and it could be displayed with my email address on the top right hand corner.

3)Number of reviews displayed

As a user, when i view all the reviews, there might be some modules with no reviews, I think if there is a number of reviews displayed in the table together with the reviews, it will be easier for me to know whether if there are any reviews written for the modules before i decide to view or add reviews for any modules.

4)Delete function to delete unwanted reviews

As a user, sometimes, I might add in a review accidentally or submit the same reviews for more than once and I want to delete them thus I think having a delete function/button is useful.

5) Improvement on Add Review

As a user, I would like more detailed add review page with rating points/stars , and other criteria for rating the modules such as the amount of workload , level of difficulty for instance.

6) Exception Handling

As administrators, the users may abuse the system and type in garbage values so we have to make sure that all inputs are relevant.

-Search (case sensitive/error message- if the user enter some mod that doesn’t exist)

-Adding review for non-existent mods

-profile does not display when user only changes one item

-time and sem when adding the review

- admin acc to handle garbage review

-one review for one module

7)Design of the webpage(if time allows)

The users might feel that the current design of the webpage is quite plain now. As administrators, we wish to capture the users’ attention to use this module review webpage.

8)Add in more features in the home page for the user( if time allows)

As a user, I wish that there would be more features added for the home page that I could browse through so that the page will not be so boring.

**3.2 Prototype**

url: <http://nusmodulereview.appspot.com/>

**3.3 Video**

In our folder 1st Sprint Evaluation (1st Sprint)

**3.4 Log**

projectlog.xlsx

**4. Final Submission**

**4.1 Level Achieved**

The level that we think we achieved is at the Vostok (beginner) level, which is what we have been aiming from the start.

**The aim of the project is to give NUS students a second opinion of their choice of modules.**

* 1. **Implemented Features**

**1. Landing Page**

A brief description of what our website is about to non-users/users.

**2. Home page**

Login page for users, shows a list of NUS links the users can click on for more infomation.

**3. Add review page**

Allows users to write a review for a module through a form. The form has added features in it which includes:

**1. Form validation**

* Checks if module entered is valid (module code is case insensitive)
* Checks if all fields are filled in
* Checks if a review has already been submitted for a particular module by the user.

**2. Redirects to display all module reviews that the user has already written.**

**4. Search Page**

Allows users to search for modules’ reviews.

Added features:

* Search is classified according to different categories for users to choose
* A table consisting of the module code, title, description and department displayed according to the category chosen by the user.
* Redirects to Reviews for Module page when user searches in the search bar. However it only works when user click on the search icon. Pressing the enter bar only refreshes the current page
* If module code is invalid, an alert message box will pop out. User will only be redirected to the module review page if module code is valid.

**5. Profile Page**

Allows user to view their profile information. User can also choose to edit their profile information on this page. Added features:

* Checks if all fields are filled in

**6. My Review Page**

Displays all reviews user has submitted. Allows user to delete reviews he has submitted.

**7. Reviews for Module Page**

Displays all reviews for a particular module with the user’s profile. Shows number of reviews for the module and also the academic semester.

* 1. **Planned Features**

(For the purpose of introducing these planned features below, please refer to 3.1)

**1. Upload of personal photo**

We feel that this feature is redundant as the main purpose of the website is to add/view reviews. We would rather spend more time on other features instead.(which are those additional features listed under 4.2)

**2. Number of reviews**

Instead of displaying the number of reviews in a table, we would display it together with the module code on the Reviews for Module Page to make it look more organised.

**3. Admin Account**

We do not feel that there is a need for an admin account to handle inappropriate reviews as the Google App Engine provides existing admin accounts for admin users to access to the datastore. In the case of any inappropriate reviews written by any users, we have the right to delete the particular review. Beside, other than the content field in the add review page, other fields will be validated before any submission.

* 1. **Our submission materials**

**url prototype:** <http://nusmodulereview.appspot.com/>

**video:**

**log:**