COMP1531
alpha-nlogn

EMS Report

Group: alpha-nlogn

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User Stories

Each story point is 2.5 hours
Total story points: 33
Each iteration: 6-8

US1:
As a user,
I should be able to log in to the system,
So that I can securely use the system's functionality requiring authentication.

Estimate Story Points: 2
Priority: 1

Acceptance Criteria:

1. The user can get authenticated by a correct email/password combination.
2. The system redirects the user to the home page after a successful login attempt.
3. The system prompts the user to try again in case the user provides with wrong combination.

US2:
As a user,
I should be able to see a list of events separated by categories,
So that I can consequently decide which event(s) do I want to attend.

Estimate Story Points: 4
Priority: 1

Acceptance Criteria:

1. The system should list the 'open' events, all or by a selected category.
2. For each event, the details should contain type of the event, title, time, convenor and available seats.
3. For seminars, the system should also display the number of sessions.

US3:
As a user,
I should be able to see details of a particular event,
So that I could be better informed about the event.

Estimate Story Points: 6
Priority: 2

Acceptance Criteria:

1. The system should display the event's title, time, duration, convenor, status, available seats, last time to leave and description.
2. For guest user, the system should also display the registration fee. If the registration time is before the event’s early bird time, the system should also display the early bird discount ending time and the registration fee should have a 50% discount.
3. For event pages for the guests, it should be evident whether the price was discounted and if so, what date the special ends
4. For seminar, the system should also display details for each session including title, time, presenter and available seats left.
5. The system should also display buttons for the user to join or leave the event whenever eligible.
6. If the event is posted by the current user, the system should also display the admin area where the user can change the status of the event.

US4:
As a user,
I should be able to register for an event,
So that I can attend it later on.

Estimate Story Points: 3
Priority: 3

Acceptance Criteria:

1. The system should display a confirmation once the user has been registered into this event.
2. The system should display an error message if the event or any of the sessions the user is registering for in case of a seminar is full.
3. The speakers for sessions for a seminar should be automatically enrolled in that seminar with the particular session(s) that they are presenting without incurring a fee even if the speaker is a guest user.
4. For seminar, the user has to pick at least one session in order to register.
5. If the user cannot register for any session for any given reason, they should not be able to register for seminar.
6. When the user successfully registers for an event, the number of available seats should decrement.
7. The staff members should not be able to register for an event that they post

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US5:
As a user,
I should be able to de-register from (leave) an event,
So that I am not enrolled in this event anymore.

Estimate Story Points: 2
Priority: 5

Acceptance Criteria:

1. The system should display a confirmation once the user has been de-registered.
2. The system should display an error message if attempting to de-register after the deadline, i.e. last time to leave specified during posting of the event.
3. If the user de-registers successfully, the number of available seats should increment.
4. If the user de-registers successfully, they cannot see that event on the dashboard any longer.

(Dashboard)
US6:
As a user,
I should be able to access my dashboard,
So that I can access information specific to my account.

US6a:
As a user(student/staff/guest),
I should be able to see all current and past events that I have registered for
So that I know which events I attended in the past or will attend in the future.

Estimate Story Points: 2
Priority: 3

Acceptance Criteria:

1. The system should display all current and past events that I have registered for within the dashboard page

US6b:
As a staff member,
I should be able to see all current and past events that I have posted,
So that I know which events I organised.

Estimate Story Points: 3
Priority: 3

Acceptance Criteria:

1. If the user is a staff, the system should display all current and past events that the staff posted within the dashboard page

US7:
As a staff member,
I should be able to change status of my event,
So that the event attendees can know about all the changes happening to my events.

US7a:
As a staff member,
I should be able to cancel events that I posted,
So that the attendees can be notified.

Estimate Story Points: 3
Priority: 5

Acceptance Criteria:

1. The system should change the status of the event to 'cancel', if the request is successful.
2. The attendees should receive a notification for the cancellation.
3. The event should no longer be listed on the main page

US7b:
As a staff member,
I should be able to close events that I posted,
So that It's not being shown to others anymore.

Estimate Story Points: 1
Priority: 5

Acceptance Criteria:

1. The system should change the status of the event to 'close', if the request is successful.
2. The event should no longer be listed on the main page

US8:
As a staff,
I should be able to post events,
So that they get listed on the website.

US8a:
As a staff,
I should be able to post a course,
So that it get listed on the website.

Estimate Story Points: 2
Priority: 2

Acceptance Criteria:

1. The system should display a form including title, start time, end time, registration fee, capacity, early bird discount ending time, last time to leave and description to the user
2. The system should store the details of the course, redirect to the event details page and list the course on the main page on a successful posting attempt.
3. Main page should now list this course for all eligible users.
4. If any of the field in the form is empty or invalid, the system should display a corresponding error message.

US8b:
As a staff,
I should be able to post a seminar,
So that it get listed on the website.

Estimate Story Points: 3
Priority: 2

Acceptance Criteria:

1. The system should display a form including title, start time, end time, registration fee, early bird discount ending time, last time to leave and description to the user.
2. The user should also be able to add new sessions to the seminar, each session form should include title, start time, end time, presenter, capacity and description.
3. The system should store the details of the seminar, redirect to the event details page and list the seminar on the main page on a successful posting attempt.
4. Main page should now list this seminar for all eligible users.
5. The speakers for the sessions should be automatically enrolled to the seminar with session(s) that they are presenting.
6. If any of the field in the form is empty or invalid, the system should display a corresponding error message.

US9:
As a guest,
I should be able to register an guest account,
So that I can later use the features of the website requiring authentication.

Estimate Story Points: 2
Priority: 5

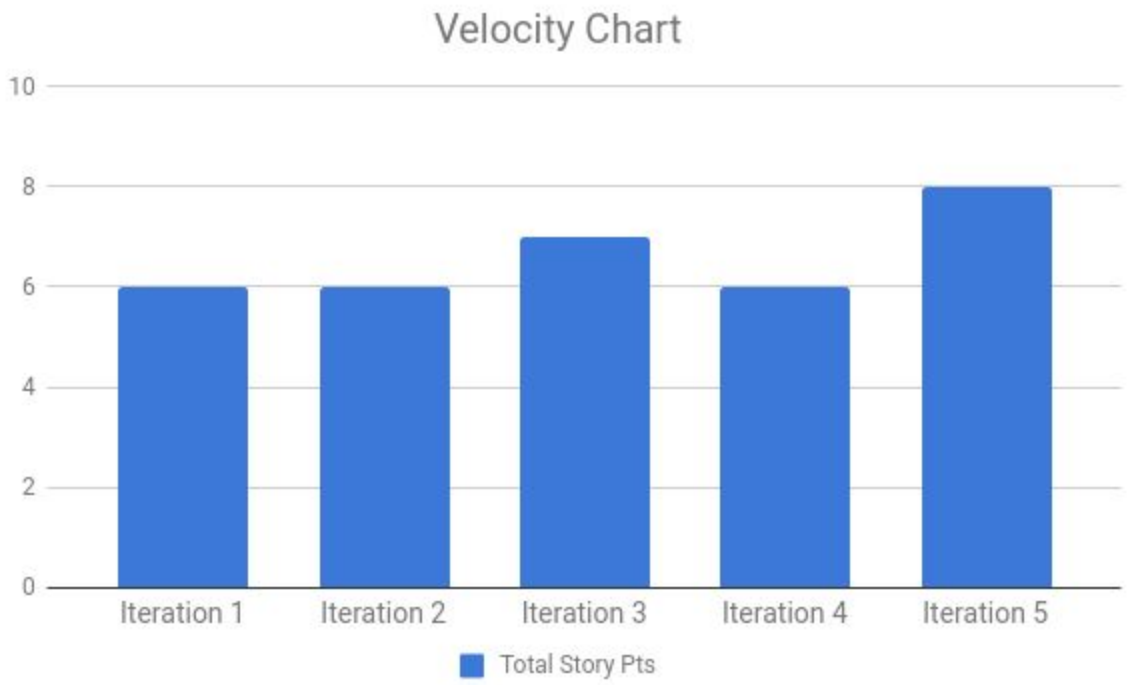
Acceptance Criteria:

1. The system should redirect the user to the login page, display a 'successful authentication' message to the user and store the guest's information on a successful registration.
2. If the email the user specified is not a valid email address, the name or the password is empty, the system should display a corresponding error message.

Progress tracking

Iteration	Completed User Stories					Total Story Points
1	US1 (2/2)	US2 (4/4)				6
2	US3 (3/6)	US4 (1/3)	US8A (1/2)	US8B(1/3)		6
3	US5 (1/2)	US6A&B (5/5)	US7B (1/1)			7
4	US3 (5/6)	US4(3/3)	US9(2/2)			6
5	US3(6/6)	US5(2/2)	US7A(3/3)	US8A(2/2)	US8B(3/3)	8

Contribution				
User Story	Chester	Tim	Vicky	Total
US1	1		1	2
US2	1	2	1	4
US3	1	3	2	6
US4	2	1		3
US5			2	2
US6	1	3	1	5
US7	2	1	1	4
US8	2	1	2	5
US9	2			2
Total Story Pt:	12	11	10	33


Velocity Chart
10
8
6
4
2
0
Iteration 1
Iteration 2
Iteration 3
Iteration 4
Iteration 5
Total Story Pts

Meeting logbook

6:00 PM Wed Apr. 11th, 2018 at K17 tabla lab
We did our requirement analysis together and gotten our first version of user stories ready.
We will probably fix some issues in the user stories and prepare some draft CRC cards for next meeting to finalise the class diagram
Obstacles include not having any clues about what to write in most of the goal field of RGB user story.

1:00 PM Sat Apr. 14th, 2018 at Main Library
We formalised user stories, added Acceptance Criteria and Priority for each user story. Still figuring out what should we put after 'so that'.
We also write detailed class specifications including each class's properties and methods from our draft CRC cards.
We decided to digitise our class diagram from the handwritten specifications we had previously from the Wednesday's lab session and also to seek further clarifications about user stories from tutors.

6:00 PM Wed Apr. 18th, 2018 at K17 tabla lab
We got our feedback about user stories and class diagram from our tutor, and finalised everything on class diagram.
We prepare to do the first iteration of our project within next week which includes the first two user stories with priority 1.
We will have a meeting next week to merge our code and do the testing together to finish iteration 1.
We will separate the workload later.

class/methods to be implemented for iteration 1:

Vicky:

EMS:

- EMS.loadUsers
- EMS.addUser
- EMS.login
- EMS.getUserById
- EMS.getOpenEventsByCategory
- EMS.getEventById

User:

- property getters
- User.__init__
- User.get_id

Tim:

Event:

- property getters
- Event.__init__
- Personalised events

Course:

- None (All things inherit from Event)

Seminar:

- property getters

Session:

- property getters

Chester:

Time:

- property getters
- Time.__str__

- Front End Page:
- login
- list event by category

- route.py:
- logic to call interface and pass data into render_template

1:00 PM Thu Apr. 26th at J17 labs

We worked on some obstacles that we have encountered in our own separate works together and then merged all of our codes back to master branch.
Fixed quite a lot small bugs and got first iteration running.
There are still some pyTests to be written, but overall, functionality for iteration 1 user stories is all good.
We will do some maintenance jobs and then decide some details about next iteration.

6:00 PM Fri Apr. 27th Online
We assigned tasks for iteration 2 as following:
Tim:

- Implement Event Detail page including registration of event for both front-end and back-end as described in user stories US3 and US4.

Vicky:

- Implement Posting event for courses for both front-end and back-end as described in user story US8a

Chester:

- Implement Posting event for seminars for both front-end and back-end as described in user story US8b

5:00 PM Fri May 4th at J17 labs
We merged our code back to master branch and fixed issues to get iteration 2 finished.
We then assigned tasks for rest of the functionality to be finished since we need to submit the code for demonstration on Monday. To balance our contribution, we let Tim to implement Dashboard related user stories US6, and scheduled our next meeting to finalise everything before the demonstration.

2:00 PM Sun May 6th at J17 labs
We worked together on partially finished dashboard, then register for and close events. We also checked acceptance criteria on all functionalities specified in user stories that we have implemented.

3:00 PM Fri May 18th at K14 labs
We did our requirement analysis together for new requirement , and updated our user stores, then we update our class diagram based on new requirement and ‘SOLID’ principle.

2:00 PM Sun May 20th at J17 labs
We assigned tasks for new use stores as follows:
Tim:

- Write tests for event and user and implement status of remaining seats left for an event.

Vicky:

- Implement registration fee for guest-user.

Chester:

- Implement registration of new account for guest-user and registration for a seminar.

3:00 PM Fri May 25th at K14 labs
We tested and merged code from tasks we assigned before, and then we assigned tasks for next iteration:
Tim:

- User input data validation and throwing exception
- gathering sample events data

Chester:

- Implement the change of post seminar so that each session could have different capacity and presenter that is a user in the system.

Vicky:

- Further complete tests in pyTest for seminar posting and guest user registration.

9:00 AM Sun May 27th at J17 labs
We merged our code and fixed some issues, run test to examine our code and also checked acceptance criteria on all functionalities specified in user stories that we have implemented. So far we finished our assignment by requirements. Then we converted our front end pages to Bootstrap to make it seem better. And did all other subtle changes for a better UX including implementing form value persistence during failed attempt to post event, more robust error handling, exception catching and then display error message in a user friendly way. We also wrote a separate python script to simulate the HTTP request for posting event and guest user registration using the sample data that Tim gathered for the purpose of demonstration.

Reflection

Similarly to many other experiences in university life, this group assignment helpt us learn many valuable lessons.

It turns out one of the most challenging obstacles to overcome was to organise our contributions in such a way everybody knows what their job precisely, and there is a minimal number of code collisions between us. Additionally, throughout working on the assignment, it was not uncommon to have difficulties finding the mutually acceptable time all of us could work together, especially given that all of us are busy with other courses as well.

Nevertheless, there were some positive outcomes from experiencing working on the big project as well. First of all, as from the final briefing we had, we were surprised to realise by ourselves that suddenly, we can create a fully-functioning website on our own. Secondly, we had a more thorough experience working with GitHub than any of us had before. While most of us, at the point of beginning of this semester, already known that the version-control systems should be used to minimise any collisions, the previously-undiscovered git's "branching" system amazed us with how well it handles any sorts of workspace collisions. Not to mention the initial briefings we had in the middle of this semester; initially considered to be "wasted labour", now are acknowledged their effectiveness towards better workload organisation. Thirdly, we only had limited experience using Jinja, Python, HTML and other diverse programming languages to create the complex web-applications essentially from scratch; thus it was very delightful to experience coding in the new programming languages. Furthermore, having been inspired by rather basic achievements in our web-development, such as being able to change the status of the event directly. And at some point, we decided to go further and even integrate Bootstrap into our web-application, which, as we believe, effectively contributed towards our final project presentation in a right way. And

finally, perhaps one of the most positive outcomes from this assignment is having lived through the situation when our project is finished in the middle of the night. Despite how irregular this sounds, that experience can help us be able to complete the other big, web-based, development projects that are to come in the future.

To sum up, this journey indeed was an enjoyable one, and we hope there will be more similarly exciting and engaging development projects to do in our father studies at university.