



Meet Me For Language

Profiles for Socializing via Language Learning



**Priyasmita Bagchi
Bahareh Shakibajahromi
Mike Bok
Ismail Kuru**

Drexel University

2016

1 Motivation

This project aims providing a platform for users to learn and improve their non-native languages via socializing with other people within a university. It is a profile based platform which enables users to create their profiles and get matched to a language learning event. This platform provides not only a pure learning activity but also getting socialized via meet-ups of users in created events.

2 Functionality

2.1 Creating a Profile

A user creates a profile to get involved in the platform.

2.1.1 Identification

Since this is a platform for university community, their employee, student identification number will be their user identification number.

2.1.2 Lecturing Languages In Native

Each user have languages that they are interested in teaching.

2.1.3 Learning Languages

Each user have languages that they are interested in learning.

2.2 Qualification Aspect

Each language stated in the profile, for teaching and learning, needs to be attached with a qualification, native, advanced, intermediate, basic etc.

2.3 Type of Lecturing Method

A user may want to meet with a group of people to teach. Maximum size of group needs to be identified. Besides, she may prefer to meet one-to-one for lecturing.

2.4 Type of Learning Method

A user may want to meet with a group of people to learn. Maximum size of group needs to be identified. Besides, she may prefer to meet one-to-one for learning.

2.5 Type of Events to Involve

A user states the type of events that are interested in attending. For example, a user may not want to attend any outdoor event etc.

2.6 Availability for Events

Each user states her available time intervals for the events.

2.7 Events Attended

A user has list of events that she attended to lecture or learn.

2.8 Creating an Event

Teaching and learning activities are performed via events. A user can create an event for lecturing or learning.

2.8.1 Event Description

Since it is an social activity, event creator needs to write the details of the event.

2.8.2 Event Creator and Lecturers

Each event has a creator and lecturers. A lecturer can both a creator and lecturer of an event.

2.8.3 Event Type

Event are classified against couple of parameters such as:

- **Indoor/Outdoor.** Where is it going to be held? Is it an indoor or outdoor activity?
- **Content of Event.** An indoor activity can be playing a game, having dinner etc.
- **Any Payment.** Does it include any sort of payment such as everyone pays its dinner?
- **Language Level of Audiance.** Level of audiance suggested to attend

2.9 Event Notification System

Once an event is created or potential meet-up exists other users are notified in a guided fashion.

2.9.1 Guided Concrete Notification for User

Once an event is created filtered notifications are sent according to the preferences of an user. For example, a available time, type of event, level of the event are used for filtering the notifications for a user.

2.9.2 Guided Ghost Notification for User

If common interests for type of events in common available time exists for couple of people, a notification is sent to create an event.

2.10 Confirmation System

Once the event created set of users/a single user gets notification for the event and

- After getting notified for an event a user may send a request for being an lecturer or learner for this event.
- A creator can get buch of request for being lecturer/learner for the event. Creator builds the group/single user among the requests.
- People who are confirmed by creator are notified for confirmation of thier attendance.
- Limits of the group (number of lecturers and learners) are specified.

2.11 Review System

Once the event is over, users can review via using two methods.

2.11.1 Commenting System

Commenting system can provide a way of reviewing the issues which are not quantified/qualified with teaching/learning activities. For example, an attendee may not be polite to other attendees and this may be mentioned in a comment.

2.11.2 Ranking System

- **Event.** Event creator can be review by other users.
- **Lecturer.** Lecturers can be reviwed by other users.

..... Ismail : doc is filled up to this point .

3 Development Infrastructure

3.1 Programming Languages

3.1.1 Front-End

Java-Script, PHP and HTML. Mike what do you think about front-end? Do you have suggestions ?

3.1.2 Backend

Java

3.2 Integrated Development Environment

Eclipse, Netbeans etc. I am going to use Emacs :)

3.3 Testing Infrastructure

I used many mocking unit test environments we can use one of them for example mockito. We can write invariants for the system, pre-post conditions for methods etc.

4 Architectural Infrastructure

Priyasmita is going handle this part?

4.1 Data Base System

4.2 Web Server

5 Maintainability