15-637: WebApps   Marjorie Carlson (marjorie@)
Final Project Proposal   & Evan Palmer (esp@)

We want to build a web app that will allow ESL teachers and Bhutanese translators to collaborate in producing Pimsleur-style audio lessons for non-literate Bhutanese refugees who are learning English. The idea behind the website is that the ESL teachers will create lists of sentences they want their students to learn, and upload audio recordings of themselves saying those sentences in English. Bhutanese translators will then be notified that sentences are in need of translating, and they can then log on, view the sentences, and record themselves speaking the sentence in Nepali. Students will then be able to download an mp3 of the English and Nepali sentences interleaved and concatenated.

This project is extremely scalable; there are a large number of features that would be useful to the end users. Features will be added in the following order of priority. Users should be able to:

1. Log on, and see different front page depending on whether they are an ESL teacher, Bhutanese translator, or student/guest

2. Add untranslated sentences to the repository

3. Create lists of sentences that will become a single audio lesson

4. Copy sentences from existing other lists into a new list, and reorder lists

5. Translate a sentence in written English into written Nepali

6. Record audio in English or Nepali and attach it to the sentence

7. Delete your own sentences and/or audio recordings

8. Convert a completed (translated) list of sentences into a single mp3. (Ideally, this would happen automatically when all the sentences in the list are translated)

9. Tag sentences by category, difficulty level, deadline, urgency level, etc.

10. Be notified when a sentence is in need of translation (for translators which opt into notifications)

11. View, and download in bulk, all the lists created by a particular user

12. View and post messages on a discussion forum (probably created using a preexisting Django package, such as LBForum)

Technologies we plan to use:

- Django

- Bootstrap

- Could Deployment

Essentially we plan to use the technologies we have learned in class as those are the tools that we are familiar with.