



# TEAM 36: EVEREST

SPRINT 1 PRESENTATION



# Team 36: Everest

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# Everest: Background



- \* Pittsburgh is home to about 5,000 Bhutanese Nepali refugees.
- \* Refugees receive free ESL classes, but many Bhutanese students either don't attend class or attend and make very little progress.
- \* The least fluent students are generally older adults with very low educational attainment. Most are illiterate in their native Nepali.

<http://www.post-gazette.com/newimmigrants/2014/09/12/Pittsburgh-s-new-immigrants-Refugees-from-Nepal-en-route-to-Pittsburgh/stories/201409120077>



# Everest: Background

- \* Existing English-learning tools are inaccessible to these students, since they generally require native language fluency.
- \* Most low-attainment students aren't practicing English outside of class.





# Everest: Background



- \* During Mini 1, Marjorie took 15-302 — Innovating for Underserved Communities: Field Research Basics
- \* Her group's final project was a proposal for a website to facilitate the creation of Nepali–English audio lessons.
- \* Local ESL teachers and bilingual Bhutanese youth could use this website to upload audio sentences, which would be automatically interleaved to create downloadable mp3.
- \* Our website is based on this proposal.



# Everest: Models

- \* Everest has three intended **users**: ESL teachers, Bhutanese translators, and (the family and friends of) ESL students who want to download materials.
- \* To create a lesson, ESL teachers will create a **list of sentences** that they create or find.
- \* They will also upload **English audio** of the sentence.
- \* Translators will upload a written **translation** of the sentence in Nepali and **Nepali audio** of that sentence.



# Everest: Goals for Sprint 1

- \* Registration + authentication by email
- \* Login and logout pages
- \* “View sentence” and “view list” pages
- \* “Create/edit list” page, including the ability to create a new sentence.
- \* “View all sentences” and “view all lists” pages



# Everest: view-sentence

[Find a sentence](#)

[Find a list](#)

[Find a user](#)

[Teacher tools](#)

[Translator tools](#)

[Login/Logout](#)

[drop-downs -->](#)

[Add new list](#)  
[View my lists](#)

[Sentences needing  
written translation](#)

[Sentences needing  
audio translation](#)

## Sentence #42

This is a sentence in English.

[This is a sentence in Nepali.]

[This is a slightly different Nepali sentence.]

[Add new translation](#) <-- only viewable to translators  
(pops up text box)

English audio 

[Record new audio](#) <-- only viewable to teachers

Nepali audio 

Another Nepali audio 

[Record new audio](#) <-- only viewable to translators

Lists containing this sentence:

- [Stacey's list](#)
- [Sentences about vegetables](#)
- [Grocery shopping](#)
- [Shopping sentences](#)
- [George's list](#)
- [The joys of rutabagas](#)

[Add this sentence to your list](#) <-- only viewable to teachers -  
pops up dialogue box with all  
your existing lists in it.



# Everest: view-list

[Find a sentence](#)

[Find a list](#)

[Find a user](#)

[Teacher tools](#)

[Translator tools](#)

[Login/Logout](#)

[drop-downs -->](#)

[Add new list](#)  
[View my lists](#)

[Sentences needing  
written translation](#)

[Sentences needing  
audio translation](#)

[edit only viewable to owner](#)

## Freida's List

[This is a sentence in English.](#)

[This is another sentence in English.](#)

[Each one links to its sentence page.](#)

List owner: [Freida Smith](#)



Download mp3 of this list



# Everest: edit-list

[Find a sentence](#)

[Find a list](#)

[Find a user](#)

[Teacher tools](#)

[Translator tools](#)

[Login/Logout](#)

drop-downs -->

[Add new list](#)  
[View my lists](#)

[Sentences needing  
written translation](#)

[Sentences needing  
audio translation](#)

## Freida's List

✗ [This is a sentence in English.](#)

✗ [This is another sentence in English.](#)

✗ [Each one links to its sentence page.](#)

List owner: Freida Smith



<-- text box

<-- button



# Everest: Progress So Far

## Progress

- \* Planned out users types and workflow.
- \* Decided on data models.
- \* Made wireframes.
- \* Created Django project.

## Problems

- \* Difficult to make key decisions (like project name) without consulting with prospective users.
- \* Haven't worked out how to coordinate course GitHub repository and Heroku deployment repository.



# Everest: Future Goals

- \* Delete sentence
- \* Record audio
- \* Create mp3
- \* Bulk download audio recordings
- \* Create and view user profiles; upload user pics
- \* Search for sentences, lists, users
- \* Receive an email when a sentence needs translation