



# Team 36: Everest

Sprint 2 Presentation

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# Everest: Background

- ★ Based on an idea developed in 15-302, “Innovating for Underserved Communities: Field Research Basics.”
- ★ Everest is a website for creating audio ESL lessons for nonliterate Bhutanese–Nepali refugees in Pittsburgh.
  - **ESL teachers** create sentences, record them in English, and group them into lessons.
  - **Translators** translate the sentences and record them in Nepali.
  - **Students** can then download the lesson as one mp3.



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

# Results of Sprint 1

(Product owner: Marjorie)

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



# Sprint 2: Backlog

(Product owner: Evan)

## ★ Audio:

- Find a working library for audio recording
- Implement audio recording

## ★ General:

- Create Nepali translations of sentences
- View lists of sentences, lists of lessons, lists of users
- Delete sentences
- Filter lists by various criteria (e.g., sentences created by user x)
- Create and view profiles & user pics

# Sprint 2: Progress

## ★ Audio:

- ✓ Find a working library for audio recording
- ✓ Implement audio recording

## ★ General:

- ✓ Create Nepali translations of sentences
- ✓ View lists of sentences, lists of lessons, lists of users
  - Delete sentences
  - Filter lists by various criteria (e.g., sentences created by user x)
  - Create and view profiles & user pics

# Sprint 2: Problems

- ★ Audio recording is hard!
  - Finding an audio recording solution that works on more than one browser.
  - Lack of audio compression.



# Future Goals

## ★ Basic functionality:

- Search for sentences/lessons/users containing a certain word
- Add existing sentences to a new lesson

## ★ Audio:

- Record an mp3 of a complete lesson
- Compress audio

## ★ Security:

- Ensure only certain users/user types can perform certain actions
- More error-checking, better error messages