

Tate W. Hanawalt
CS-4760 Scientist Meeting 2 Digitized Notes
Michigan Technological University
Spring 2017

1. Invite Scientists to slack page - completed
 - Database Tables Discussion:
 - POINT(id, Oid, short_desc, desc, year, submitted, submitter_name, submitter_ip)
 - Has_one: image primary_image
 - Has_many: comments
 - IMAGE(url, origin_name)
 - Belongs_to: POINT
 - COMMENTS(id, parent, submitter_name, body, submitter_ip)
 - Belongs_to: POINT
 - Oid: Object Id when pushing to g's
 - Technical Issue: no field 255 characters
 - Date-time formatting: Elements of specific date/year vs multiple, add 1 more field for year or date exact vs estimated
 - Could do first & last name, all inputs optional
 - Record point of origin of ip-address for locational data collection
 - Look into GDP multiple images
 - At some point ideally have footprints of significant locational elements (buildings containing points)
 - Limit number of sub comment streams to one tab, not like 4chan or reddit more like facebook comments
 - Add tags to DB Structure -> By Poster
 - Stories: text
 - **User interface: Grandmother Friendly**
1. Demo: add points, photos, stories ESRI Base Layers Maps every 10 years specific point in time auto place closest year map, no comparison of new/older maps to old/new archive points respectively (current year only)

Primary Objective: of this app is data collection not dynamic data exploration all though relatively usable exploration features present

Draw Up Wire Frames of UI

David Morehouse
HCI: Notes Meeting 2
Michigan Technological University
1/27/2017

General Plan

- Separate Website
- Technologies
 - Grails?
 - ArcGIS - JS
- 'Media' Types
 - Photos
 - Documents
 - Stories
- Points
 - Central 'interaction'
 - Everything else is in reference to this
- Comments
 - Facebook, Google, or 'Guest'
 - Allows others to add to the body of work

Year

- User Friendly
- Historical Data
- One more field - date (historical)
 - Optional
- IP address
 - Location?

GDB

- 255 char limit - > somehow links to relational database
- Global ID
 - Relational Table
 - GDB
 - Images
- OID
 - Global ID
- 'Image id' for each record
 - Query to the global id
 - Independent from the point id
 -
- Auto done, can do multiples
- Limit to one point for image
 - Or or say 3 images to eprevent out of hand

ESRI

Base layers

- REST
- VECTORS and Rastors

Choose what year

- Map
- 10 years? - maps are ever year
 - But specific year
- User chooses year they work in
 - Map representing them
 - Place the point on historical map
 - Decade
 - **What year first!**
 - **Where and when**
 - **8 Towns**
 - **Same year represented**
 - **Transparency on the map**

Old map points on new map; - nope

Immediate feedback - immediate view point

REST 10 Year Map URLs - Need to be setup