

Meeting Minutes 1/24/17

- Only beach managers will have login?
 - Some students will have an account
 - Each student will have a login/password
 - Centralized account
 - Volunteers Collecting data - unauthorized users may use app + provide data to authorized user

- Record flow - WIP
 - Indirect
 - Send to health department
- Marine Beach app
 - Creates email sent with CSV that needs to be copied
- No current flow from app to WI Beach health database
 - Email w/file attachment
 - Someone would collect data/verify it
 - Send email to main Beach manager - load file

- File saved to location where an automated process can grab the file instead of email
- Generates files -> puts it somewhere ->Someone looks at it

- CSV setup
- Columns match existing tables
 - Tables to be sent

- Options for user
 - Goal: Complete Survey
 - Prioritize list of columns - abbreviated everyday information
 - Alliance for Great Lakes uses similar form

- Stretch Goal: Expanded Survey
 - List of beaches
 - Pick list for beaches in county instead of manual entry of beach info

- Some locations take multiple samples & combine them into a single sample

- Some counties take three different samples
- Multiple Collection Stations

- Validation of data
- Pull data into WI Beach Health Database
- Gathers name/user ID of who collected data

- User group has quarterly meeting - TBD (a couple weeks out)
 - Questions for “boots on the ground” users can be sent...
 - Does order of info matter?
- Record created, submitted, closed, done, or can it be updated?
- Change Management - system knows that form was edited
- Make sure that changes are intentional, make sure that user did not intend to input new data instead

- Preference to done once sent. Desktop needed to edit if needed.
- Review once info entered?

- Web file location: /mtu/group_projects/cs4760/s17/group4/www

- Some individuals will have logins
- Some locations will have a centralized account
- Data may need to be sent to multiple locations (e.g. county and state)
- No decision has yet been made on how uploaded data should be stored
 - Currently, and email is sent with a CSV attached that must be hand-processed
 - This is an option, though not preferred
 - Requires extra work
 - We should come up with a list of options, ideally including some automated ones
- The service should be usable to both counties and the state
- Data should match the existing database(s) as closely as possible (column names)
 - Should also try to match field names on existing surveys
 - Alice will send the current DB schema
- There are two versions of the survey
 - Monitoring data - this is collected every time - prioritize this
 - Full survey - all data, not everything is required - may be possible to redirect to the existing marine beach app if necessary
 - Alliance For Great Lakes - different data collected, could be useful to make it generic enough to support differences like this
- Wishlist item: read file (probably CSV) to generate a dropdown for beaches, this could be used to fill in repetitive information
- Some locations take multiple samples and combine them into a composite sample
 - Sometimes done manually, sometimes one in software
 - Some locations take multiple samples for the same beach and store all samples instead of creating a composite
- Data validation should be incorporated (Alice will send us constraints)
 - Include name of individual taking data
 - For those who have signed in, include their user ID with the data

- User group is going to have a quarterly meeting soon
 - We should come up with questions to ask them in the next couple weeks
 - User group is already aware that app is being developed
 - Donalea plans on asking whether the order information is requested matters
 - Will the workflow need to change?
 - Is there much back-and-forth that will need to happen if data is not requested all at once?
 - Likely question for us - can records be edited via the app after they're submitted?
 - Difficult on a phone
 - May be tricky to handle on the server
 - It's important that any changes be intentional - it should be very difficult to accidentally overwrite yesterday's data, for example
 - General consensus that editing in the app is a bad idea after submission, requiring edits to be done on the desktop system would be more reliable and help ensure intentional edits