Memory Comb

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Project Overview

Memory Comb, or MemComb

- Vault that stores and retrieves important events that occurred in past
- The events can have place, date, time and other relevant data types such as user story in textual form, video footage or audio stream
- Each event can further be augmented and attached with other similar events found in the system
- For reference, the system is similar to the facebook "memories" app, where a user can choose and store "memories" in different formats for viewing then or later

Project Plan

- Create a website that has a
  - Front End using: HTML / JAVAScript
  - Styling: CSS / Bootstrap
  - Back End using: PHP / MySQL
  - WordPress
- Create an Android application using Ionic Framework using HTML / CSS

Project FURPS Requirements

1. The system shall allow a user to create an account

2. The system shall save user account information in the login database

3. The system shall check the user login information against the login database

4. The system shall allow users to share an event

5. The system shall connect users sharing the same event

6. The system shall allow users to upload audio files

Project FURPS Requirements Cont.

7. The system shall allow users to upload video files

8. The system shall allow users to upload image files

9. The system shall allow users to upload text files

10. The system shall allow users to remove their uploaded files

11. The system shall integrate into internet services

12. The system shall connect events with a geographical location

Project FURPS Requirements Cont.

13. The system shall allow users to view events

14. The system shall allow users to create an event

15. The system shall allow users to delete their account

16. The system shall allow users to change account information

17. The system shall allow admins to delete user accounts

18. The system shall allow admins to delete an event

Technologies

Language: HTML, CSS, Javascript/Typescript, PHP

Tools: Google Calendar API, MariaDB, Google Cloud Server

Development Environment: Ionic

Configuration Management: GitHub

Risk and Challenges

- Integrating the database
- Incorporating video and audio file support
- Storage for the video and audio files
- Learning the Google Calendar API
- Learning mobile development
- Learning the right way to synchronize the website with the Android application and make almost the same interface for both
- Implementing the database for mobile and web based versions of the application

Looking Forward

- Teams split into Mobile Development and Web Development
- Research into Ionic and Wordpress
- Next sprint:
  - Wireframe
  - Login Page
  - User Account Creation
  - User Account Database