**HACC DOE Project Requirements**

Client:  
 DOE  
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Reference Documentation:   
 [OCISS Repository](https://sites.google.com/hawaiidoe.k12.hi.us/techdigitalrepository/home) on GoogleDocs

[HACC Summary Document](https://docs.google.com/document/d/1VFs7mdeefRhlS6F_ENJ9bOJ88H5px3KIe5PoI3h7FlQ/edit)

Goal - Develop a robust online educator hub that becomes the “go to” resource space for educators.

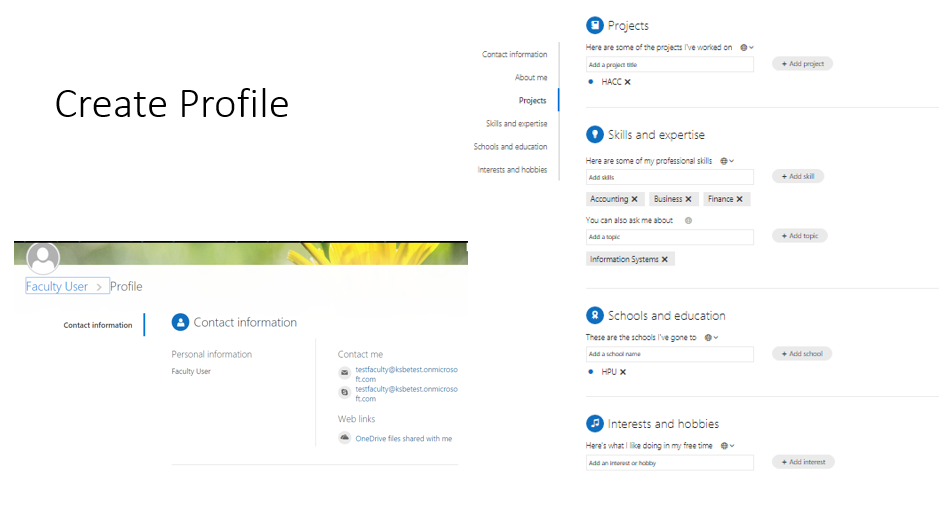
Idea - To create an online portal where educators can access the following types of services:

* Teacher Match - educators are “matched” based on their profile (content area, pedagogy, etc.) in order to support one another and grow their practice. Able to connect with like-minded elementary and secondary teachers who have common interests and goals.
  + Teacher Match SPFX Webpart
* Community Partners - video segments highlighting community partner sites showcasing what they offer and how educators can connect to them (i.e. Cheap Eats - Guy Hagi).
  + [O365 Stream](https://web.microsoftstream.com/)
* Coaching Opportunities - request system for virtual coaching and/or face-to-face coaching/mentoring opportunities.
  + Teacher Match SPFX Webpart
* Resource Hub - searchable database for lesson plans, curricular resources, subject matter experts, etc. (i.e. Amazon Inspire, Pinterest) which could include rating and commenting system.
  + [OCISS Repository on O365](https://ksbetest.sharepoint.com/sites/dev/ociss/default.aspx)
* Innovation Spaces - map/list of physical spaces where teachers can go to network, study, and do creative thinking.
  + O365 Group - collaboration with professionals cross organization
  + O365 Teams - collaboration with staff
  + O365 Yammer - collaboration with students
* Action Research - space to publish action research projects, request to be a part of an action research project, or submit ideas for action research projects.
  + O365 Groups (Professional Learning Communities)? e.g. [HACC Group](https://outlook.office.com/owa/?path=/group/haccgroup@ksbetest.onmicrosoft.com/people)
* Virtual Lesson Observation - mechanism to record lessons and get feedback (i.e. Edthena) or mechanism to conduct synchronous lesson observations. User could also have the ability to publish their virtual lesson to the Resource Hub.
  + Lesson Creation Functionality not covered by anything in O365 but final products might reside in OCISS Repository or O365 Stream for lookup/matchmaking capability via Teacher Match SPFX Webpart or Delve.

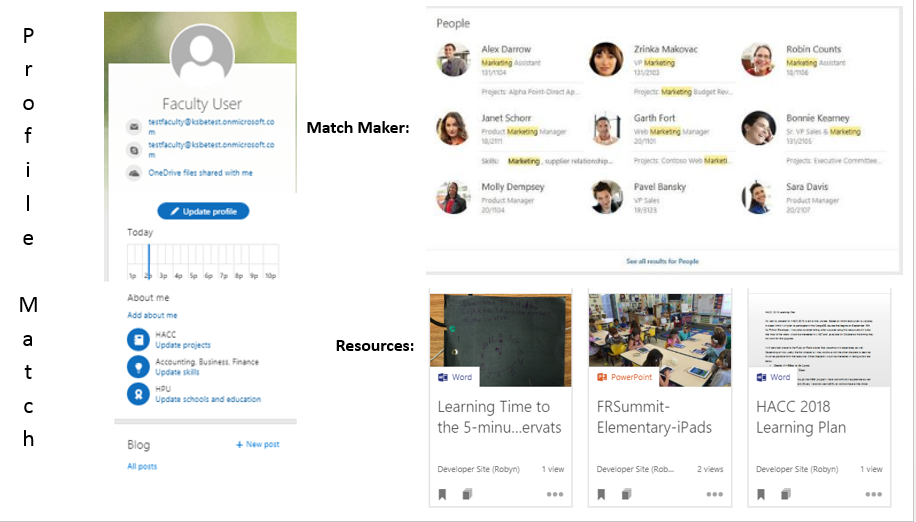
**Teacher Match SPFX WebPart Requirements**

Functional Requirements (Navigation, Storage, Data Manipulation):

1. Search Capability - Phase I
   1. Match Maker (User profile)
      1. O365 user profiles are initially set up by the organization’s HR department with basic information.
      2. This function utilizes the Profile and Delve templates in SharePoint.
      3. Each user can customize their profile by adding detail to the below sections:
         1. Projects
         2. Skills and Expertise
         3. Schools and Education
         4. Interest and Hobbies
      4. User profile data is pulled from all sections of the profile to find keywords to be used with the Match Maker function that is used with both People and Resourse Lookups.



1. Lookup
   1. People, Groups, etc
      1. Using the Match Maker user profile data other user profiles are retrieved as matches based on keywords in the other user’s profiles.
      2. The keywords can be in any of the below sections of the other user’s profile:
         1. Project
         2. Skills and expertise
         3. Schools and education
         4. Interest and hobbies
      3. The three profiles with the most matched words from a user’s profile will populate on the user’s homepage.
   2. Resources (Files, Lesson Plans, Workshops, Documentation, Field Trips, etc)
      1. The Resource Center template in Sharepoint will be used to upload and store documents.
      2. Each document will be required to have the custom items of metadata filled out before being available for retrieval. The custom metadata includes the following items.
         1. Name (Name of the document)
         2. Link to External Resource
         3. Resource Type (What it’s used for e.g. Lesson Plan)
         4. Subject Area (Academic subject)
         5. Target Audience (Grade level)
         6. Submitted By (Original user)
         7. Modified (Date changed)
         8. Modified By (Most recent user to make a change)
         9. Title
      3. The three documents with the most matched words from a user’s profile will populate on the user’s homepage.



* 1. Other Objects that don’t fit People or Resources

1. Advanced Search, History and/or Favorites Storage - Phase II
   1. As suspected, someone is already doing this [here](https://techcommunity.microsoft.com/t5/Office-365-Groups/quot-My-Groups-quot-list-for-SharePoint-Homepage-Web-Part/m-p/44824#M2015).

Non-Functional Requirements (User Interface, Design, Look and Feel):

1. Mobile UI
   1. Limited Real Estate
   2. 3 Sections Like Google Navigation
      1. STATUS BAR: Top 20% for status display
      2. MAIN AREA: Mid 70% for search and search results
      3. ACTION BAR: Bottom 10% for mode/view change adv search, favorites etc.

|  |
| --- |
| STATUS BAR  (Logged In User Profile) |
| Search Bar: Button for single click auto search, freeform Text Search |
| MAIN AREA  Search Results 1: People that match my Projects or Education |
| Search Results 2: Files that match my Projects or Education |
| Search Results 3: Other things that match my Projects or Education |
| ACTION BAR |

1. MatchMaker UI Prototype

