

Agenda 4/15/2021

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|-------------|--|------------------------|
| 8:00 | Review of last meeting <ul style="list-style-type: none">• Times series data• Functional requirements• Quality attributes | Burak Adam |
| 8:10 | Overview Tech Connect Requirements <ul style="list-style-type: none">• Only for graduating students and alumni• Any Tech program, not just CS• Searching for user profiles• Messaging system to connect alumni with each other | Andrew Moreno |
| 8:20 | Detailed Tech Connect Requirements <ul style="list-style-type: none">• Features• Profiles• Consents• Quality attributes | John Nelson |
| 8:35 | Resolving inconsistencies in GIT Webservice requirement | Seth Bettwieser |
| 8:45 | Project review and feedback | Burak Adam |
| 8:50 | Thank you! | Burak Adam |

Review Last Meeting

Time Series Data

- v Time series data will not necessarily have time stamps.
- v Instead of timestamps event date entered by the user will be used for analytics and display.
- v For employment history date format will be "mm/yyyy" .
- v For both education and employment history the data will be listed from most recent to oldest data.

Review Last meeting

Functional requirements

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|--------------|--|---------------|--|
| 4.1.1 | Login | 4.1.9 | Filtering searches |
| 4.1.2 | Activate profile. | 4.1.10 | Messaging other users |
| 4.1.3 | Notifications on data usage | 4.1.11 | Opting out of message groups |
| 4.1.4 | Update profile | 4.1.12 | Search for Tech information |
| 4.1.5 | Setting initial consents | 4.1.13 | Time series data display order |
| 4.1.6 | Updating consents | 4.1.14 | Times series data display information |
| 4.1.7 | Display profile activation status | 4.1.15 | User death |
| 4.1.8 | Search for other users | | |

Review Last meeting

Quality Attributes

1.1.1	Availability	1.1.6	Performance and scalability
1.1.2	Enhanceability/Extendibility	1.1.7	Portability
1.1.3	Human Factors	1.1.8	Privacy
1.1.4	Integrity	1.1.9	Security
1.1.5	Modifiability and Maintainability	1.1.10	Usability
		1.1.11	V&V Activities

Review Last meeting

Notes- Profile Activation

Basic profiles will need to be created in the *GIT Webservice* so that alumni and graduating students have profiles to activate. It was also noted that the process of verifying an alumni's identity so that a profile can be made for them should be saved for a later version after an appropriate process or datum for verifying identity has been determined.

Overview Requirements

- **Confirming the following for Tech Connect:**
- Is Tech Connect for only Graduating Students and Alumni?
- Is Tech Connect for Any Tech program, not just CS?
- Tech Connect should allow for the searching of profiles?
- Tech Connect should have a messaging system to allows users to connect with each other?

Detailed Requirements Features

***Tech Connect* will have the following features:**

1. Profiles: *Tech Connect* will allow alumni and graduating students to activate and personalize their profile to share their personal and professional information with other users.
2. User to user connections: *Tech Connect* will provide a messaging system and a search system to facilitate connections between users within the system.
3. Montana Tech to user connections: *Tech Connect* will enable users to view information about Montana Tech, and be directed to existing Tech information or services, allowing Montana Tech faculty to keep users up to date on Tech happenings.

Detailed Requirements Profiles

- User will be able to Activate their profile and add information to it?
- Users will be able to initialize consents when activating a profile?
- User will be able to update consents on a profile?
- Users will be able to Update their profile?
- A Users will be able to personalize their profile?
- A Users will be able to search for profiles?

Detailed Requirements Functional

Activate profile

The system shall facilitate activating a new profile by a user who has a profile assigned by the system. After activation, the user will have an active profile on *Tech Connect*.

Rationale: Users need a way to start adding information to their profile.

Priority: Critical

Updating consents

The system shall allow a user to update their consents. After the consents are updated, how the data is used will be based on the updated consents.

Rationale: A user should be able to change how their data will be used.

Priority: Critical

Messaging other users

The system shall enable a user to message another user, or a group of users.

Rationale: Messaging is an important part of purpose behind Tech Connect

Priority: Medium

Detailed Requirements Functional

Search for other users

The system shall enable a user to search for other profiles.

Rationale: Users must be found before messages can be sent to them.

Priority: Critical

Opting out of message groups

The system shall allow a user to opt out of message group they are a part of.

Rationale: A user should be able to decide if they want to continue getting messages from a group chat.

Priority: Low

Notifications on data usage

The system shall make it known to the user that the condition of using the system is their data will be used in analytics, however anonymity will be maintained, as it will only be used in a summary data. The system shall make it know that, by the user entering their information, the analytics will be more useful.

Rationale: A user should be informed on why it is required to have their data be used in analytics.

Priority: Medium

Detailed Requirements Quality Attributes

Availability

Tech Connect's down time will not exceed 1 hour every two weeks for maintenance purposes. The downtimes should be scheduled to occur during times when *Tech Connect's* traffic is at its lowest.

Tech Connect's maintenance schedule will be modified after tracking system information to see if the maintenance schedule is adequate or needs to be updated.

Human Factors

Tech Connect should be compatible with text-to-speech (TTS) narrators and should accommodate color blindness.

Modifiability and Maintainability

Tech Connect will provide a dynamic interface that can be easily modified as data field changes in the *GIT Webservice*. The system should be easily updated to adapt changes to comply with industry standards.

Detailed Requirements Quality Attributes

Performance and scalability

Tech Connect should load within 3 seconds under typical internet speeds. It should also be able to handle several hundred concurrent users without any noticeable decrease in performance.

Portability

If *Tech Connect* is accessible via a web browser, it should be compatible with all major browsers, such as Google Chrome, Firefox, Microsoft Edge, and Internet Explorer.

If *Tech Connect* is an application, it should run on devices running Windows, MacOS, Android, and IOS operating systems.

Usability

Anyone with a basic understanding of computers and the Internet should find *Tech Connect* easy to use and give it a rating of at least 3.0 on a 5-point scale with 1 not easy to use and 5 very easy to use.

GIT Consent and Permissions

Permissions Field	Consent is given and current	Consent is not given
Field is public, or optional and marked as public	Data can be used for analytics and shown to the public	Data can't be used for anything
Field is private, or optional and marked as private	Data can be used for analytics	Data can't be used for anything
Field is optional, but not marked as public or private	Undefined behavior	Data can't be used for anything

Project review and Feedback

Client Feedback

- ❖ What was good or bad about our business analyst team?
- ❖ What could we do better?
- ❖ A short comment/view of the project

Thank You