

Agenda 3/25/2021

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|------|--|-----------------|
| 8:00 | Review of last meeting <ul style="list-style-type: none">• Tech Connect is only a frontend for graduating students and Tech alumni• Users are never locked out of Tech connect• Search profiles• GIT Webservice inconsistencies• Properties of data (consents/permissions, editable read-only) | Seth Bettwieser |
| 8:10 | Discussion on time series data | Andrey Zuev |
| 8:20 | Functional requirements | John Nelson |
| 8:35 | Quality attributes/non-functional requirements | Burak Adam |
| 8:50 | Final Meeting – presentation – April 15 | Seth Bettwieser |

Review

- Tech Connect is only a frontend for graduating students and Tech alumni
- Users are never locked out of Tech connect
 - Consents will expire
- Search profiles

Time Series Data

Andrey Zuev

Software Engineering, 05/2003

Employment:

Amazon 09/16/2005

Time Series Data

Andrey Zuev

Software Engineering, 05/2003

Employment:

Montana Tech 05/20/2012

Microsoft 10/14/2008

Amazon 09/16/2005 - 07/18/2007

Time Series Data

Problems with time series data

What time will we display for the users?

- Time when the information was added

V.S

- Time when they get the job.

Functional Requirements

Create Profile

- This system shall facilitate creating of a new profile by a User. After creation, the user will have a profile on Tech Connect and the user will be able to access the other features of Tech Connect.

Rationale: A new User will need a way to be added to the system.

Priority: Critical

Update Profile

- This system shall facilitate updating of profile by a User. After the profile is updated, the user will have their new data in the system for their profile and the new information will be able to be used for analytics and searchable by other users.

Rationale: A User should be able to update their information in the system to keep it current.

Priority: Critical

Functional Requirements

Setting initial consents

- This system shall allow a user to set initial consents for data added to their profile. After the consents are initialized, the data can be used in other parts of the system based on the consent choice.

Rationale: A User should be able to decide how their data will be used.

Priority: Critical

Updating Consents

This system shall allow a user to update their consents. After the consents are updated how the data the choices will decide how the data can be used in the system.

Rationale: A User should be able change how they consent to their information being used.

Priority: Critical

Functional Requirements

Messaging other Users

- This system shall facilitate a user in the ability to message other users individually or groups.

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

Priority: Medium

Searching for other Users

- This system shall facilitate a user to search for other profiles

Rationale: To be able to connect to with other users they need to able to looked up in the system.

Priority: Medium

Quality Attributes

- Privacy and Security
- Modifiability and Maintainability
- Performance and scalability
- Portability and Compatibility
- Integrity
- Accessibility
- Autonomy
- Reliability
- Robustness
- Stability
- Simplicity
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Quality Attributes

Tech Connect will comply with all quality attributes of Git web Service.

Performance and scalability.

- How many alumni do we have?
- Tech Connect should load under 3 seconds ?

Portability and compatibility.

- Tech Connect should support Windows, MacOS, Android and IOS.

Integrity

- Tech Connect should protect its data from unauthorized users.

Quality Attributes

Privacy and Security

- All Data in Tech Connect will be protected by some level of authorization.
- Privacy of user data will be protected by consent system and regularly updated.
- Users of the system should easily change, revoke, update their consent and profile information.
- A web protection software may be used?

Quality Attributes

Modifiability and Maintainability

- Tech Connect will provide a dynamic interface that can be easily modified as data fields change at Git Web Service
- Down times ? Daily, weekly monthly?
- System should be easily updated to adapt changes to comply with industry standards.
- An administrator will be able to retrieve log files in text format.

Quality Attributes

Any other ideas?

What should happen when a user pass away?

What happens if user does not create profile ?

 Name and major appears in the system ?

Profile status appears on profile info?

 Away, not activated, active

WHAT IS NEXT ?

- Next meeting - April 15th, 2021 08:00 am Thursday.
- Location - TBD
- Next Topic - Presentation

THANK YOU