App Idea and Data structure

***Course**: mtm_03-1-software-development-basics*
***Name**: Anna Holtkamp*
***Assignment**: App idea and Data Structure*

App Idea: *Connection*

Idea: make it more efficient to cultivate meaningful connections at social gatherings

Why: In most cases people attend social gatherings with certain intentions and goals in mind, e.g. I want to talk to people from the tech flied since I am thinking about shifting my career or I want to find friends to play paddle with. However, it can be hard to meet the right people at a gathering and then talk about topics that get you closer to your goal or intention. Very often this is simply based on luck or randomness. This process can be more efficient, if people declare their intentions beforehand and are matched to people that share them. This is what *Connection* is all about!

Applications: any kind of social gathering from networking events to house parties, to conferences and anything in between

How does it work in practise: Users can register and host events. They create these events and users can attend them. Users can have permanent intention on their profile and add specific intentions for specific events. Then depending on the event and privacy wishes, attendees can either browse to find matching intentions with other attendees or the users can be matched by the host (potentially by an AI but that is beyond the scope of this course). Additionally, users can leave reviews about the host and the events.

Data Structure

Provisional might be developed further in the future

User
- Id
- user_name
- email
- email_verified_at
- password
- age
- link (to relevant socials)
- event_id
- review_id
- host_id
- reviewee_id

Host:
- id
- bio

- user_id
- event_id
- review_host_id

Event:
- id
- event_name
- description
- location
- capacity
- host_id
- user_id
- review_event_id

Intention:
- id
- intention_text
- is_permanent
- timestamp
- category
- user_id
- event_id

Review_event:
- id
- review_event_text
- tag_review_event
- rating_event
- event_id
- user_id

Review_host:
- id
- review_host_text
- tag_review_host
- rating_host
- host_id
- user_id

Relations:
- user to event: many to many
- user to host: belongs to one
- user to intention: one to many
- user to review: one to many
- host to review: one to many
- event to review: one to many
- host to event: one to many
- event to intention: one to many