Acendify

El Blair

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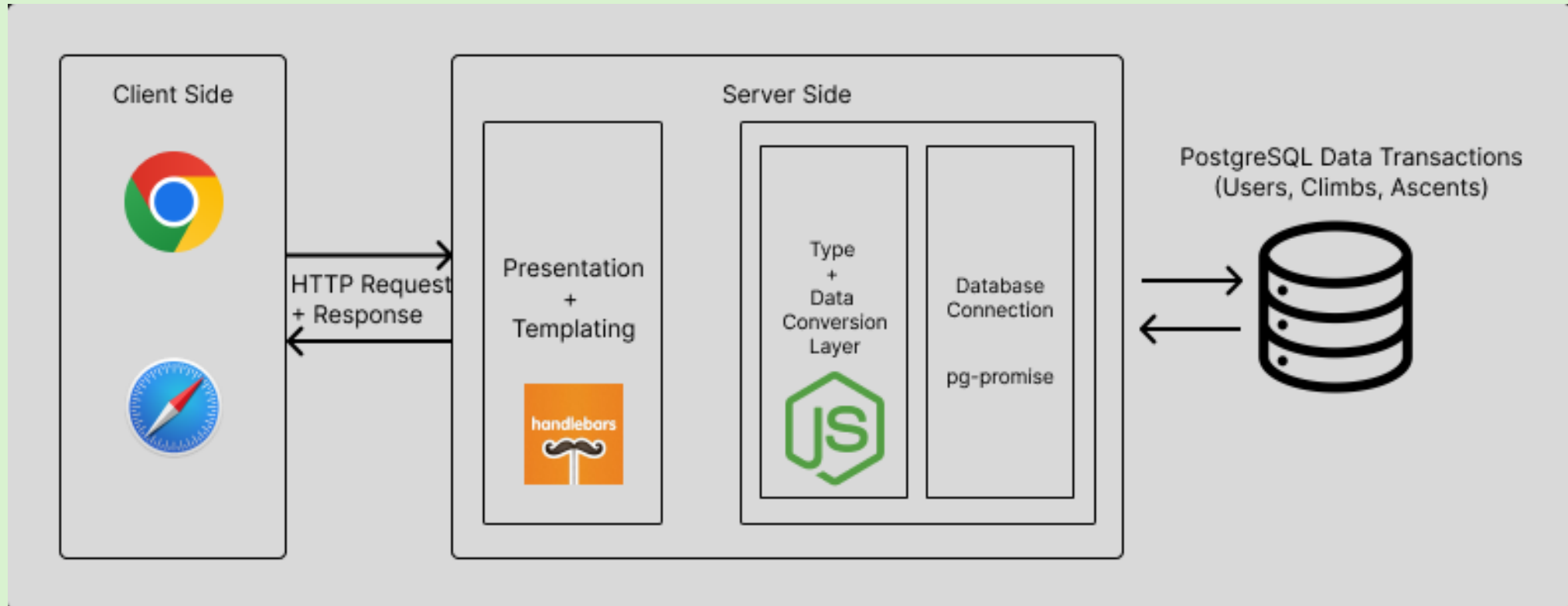
Adam Gebben

Owen White

What is Acendify?

Acendify is your go-to platform for logging and discovering climbing routes. Whether you're tracking your own ascents, exploring new climbs, or learning from the experiences of others, Acendify provides a centralized hub for climbers to document their progress, share insights, and find inspiration for their next adventure. It's not just a tool—it's a resource to elevate your climbing journey.
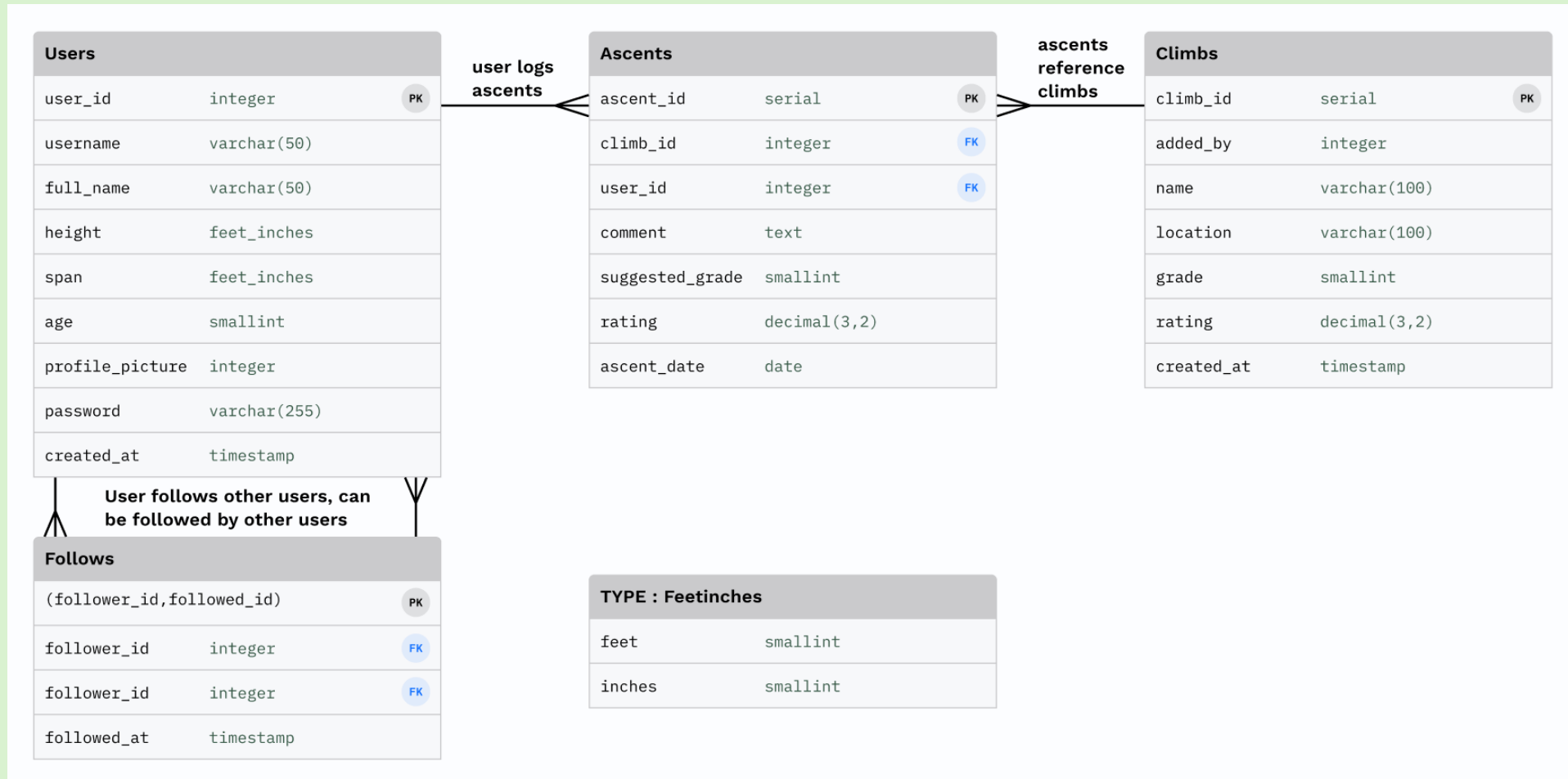
Tools Used

- Version control: git/github -- 5/5

- Project tracking: github project board -- 4/5

- Database: postgreSQL-- 4/5

- Application server: nodeJS – 4/5

- Testing tools: Mocha+Chai – 3/5

- Deployment environment: Raspberry Pi -- 5/5

- Templating engine: Handlebars -- 3/5

Architecture Diagram

Architecture Diagram

Users

user_id	integer	PK
username	varchar(50)	
full_name	varchar(50)	
height	feet_inches	
span	feet_inches	
age	smallint	
profile_picture	integer	
password	varchar(255)	
created_at	timestamp	

Ascents

ascent_id	serial	PK
climb_id	integer	FK
user_id	integer	FK
comment	text	
suggested_grade	smallint	
rating	decimal(3,2)	
ascent_date	date	

Climbs

climb_id	serial	PK
added_by	integer	
name	varchar(100)	
location	varchar(100)	
grade	smallint	
rating	decimal(3,2)	
created_at	timestamp	

user logs ascents

ascents reference climbs

User follows other users, can be followed by other users

Follows

(follower_id,followed_id)		PK
follower_id	integer	FK
follower_id	integer	FK
followed_at	timestamp	

TYPE : Feetinches

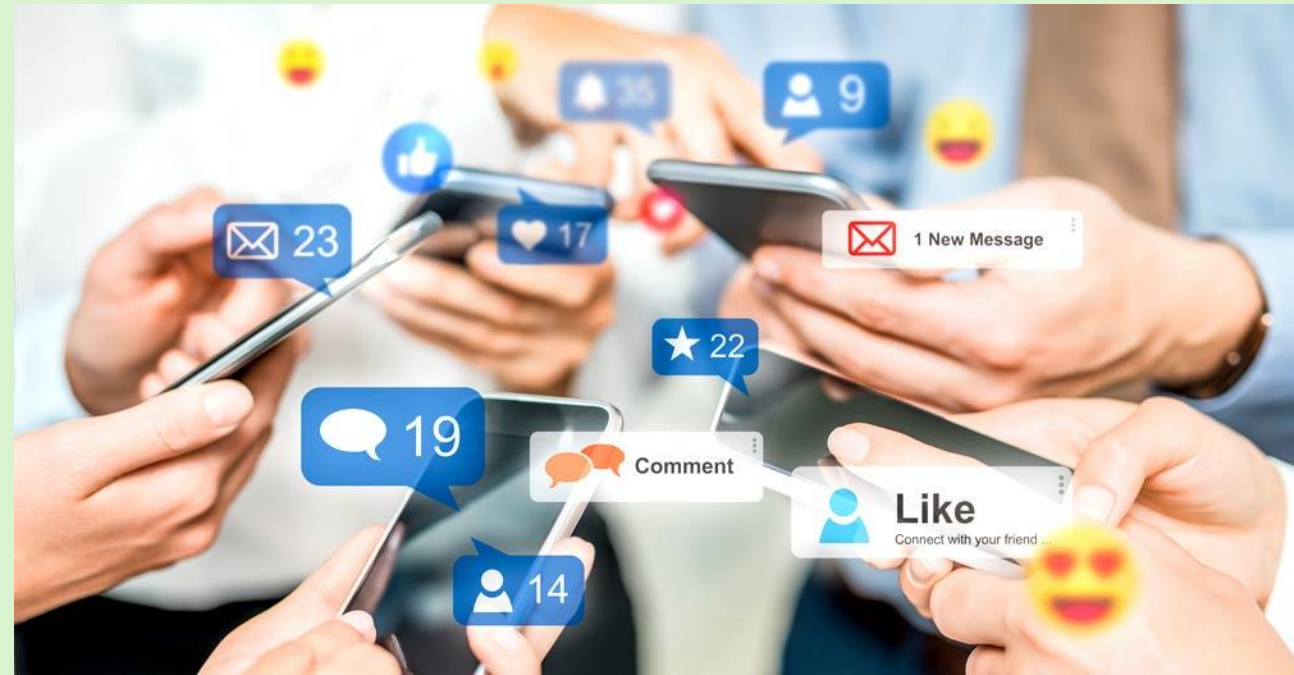|	
feet	smallint
inches	smallint

Challenges we encountered

- Drop down search bar

- "Infinite" feed

- Merge conflicts in git

- Chai/Mocha test cases clearing database

- Balancing desired scope with functionality

Future Scope/Enhancements

- Multiple feeds
- Create/Read/Update/Delete Ascents
- Interactive Map – Google Maps/OpenStreetMap API
- Explore page
- Tracking Page
- Comments
- Post route, photos, updates.
- Profile photos

Demo!