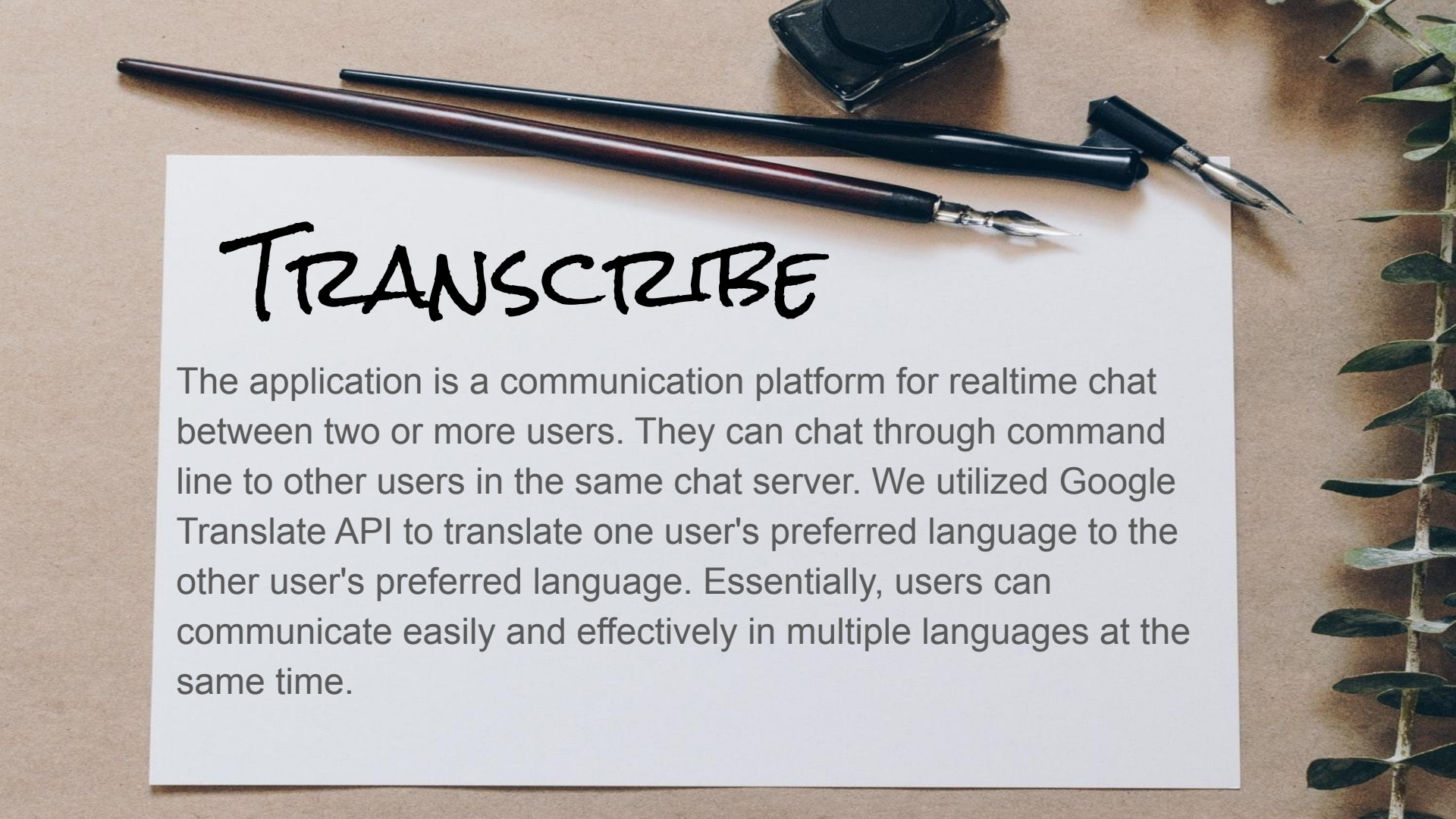
NightJAMMM



Transcribe

The application is a communication platform for realtime chat between two or more users. They can chat through command line to other users in the same chat server. We utilized Google Translate API to translate one user's preferred language to the other user's preferred language. Essentially, users can communicate easily and effectively in multiple languages at the same time.

James Dunn - Project Manager

- I’m a lifelong musician. I’ve played guitar and drums since I was a youngster.
- I received my M.A. in Philosophy from Brandeis University in Massachusetts

How did the project go?

- My contributions:
  - Project management
  - Translation functionality
  - Refactoring/modularization
- What went well:
  - Everything/teamwork
- Things I learned:
  - Be comfortable delegating
  - Planning and dialogue is really increases efficiency

Nadya Ilinskaya - DevOps

- I’m from Saint-Petersburg, Russia
- I’m breaking software for living, but really enjoy learning how to build it
- When I’m not at work or at school and my husband, kids, cat and dog are all set - I can enjoy some nap on the floor >.<

How did the project go?

- My contributions:
  - Idea
  - Deployment Support
- What went well:
  - Communication
- Things I learned:
  - Good communication is a key to success

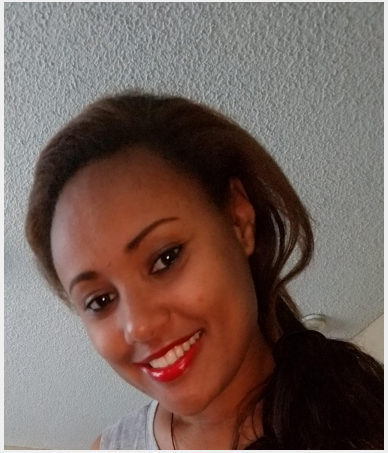
Anna Li - Lead Developer

- I’m originally from Ohio, moved to Washington 3 years ago
- I work at Zillow currently doing tech support for rental listings

How did the project go?

- My contributions:
  - Overall skeleton of the project
    - Helped integrate translation
    - Helped integrate displaying data from database
- What went well:
  - Setting up sockets to interact. Translating and adding a database
- Things I learned:
  - I learned about Sockets!

Meron Sibani - Lead Tester



- · I am originally from Ethiopia moved to States three years ago
- · Currently I am raising my beautiful daughter

HOW DID THE PROJECT GO?

1. My contribution is making sure that our application has all required test cases and unit tests passed

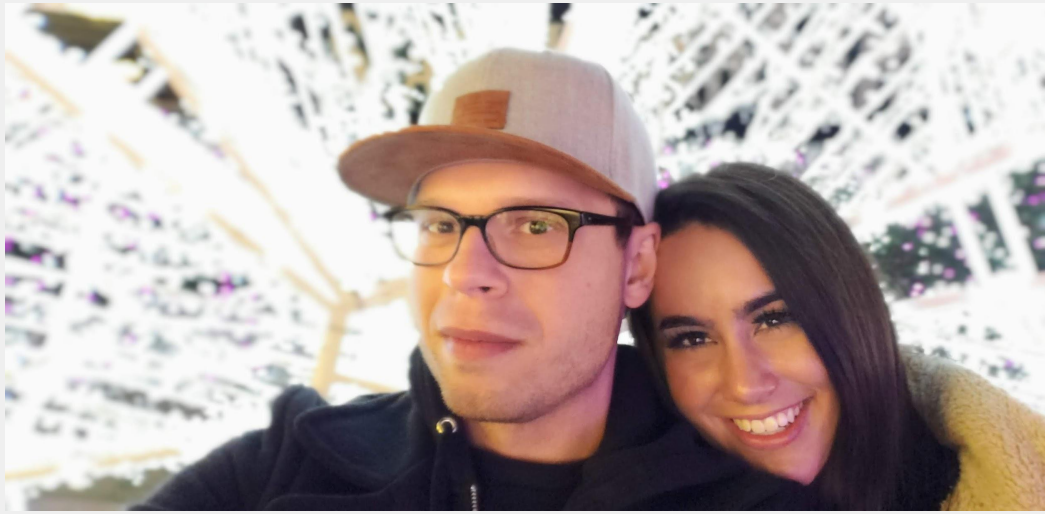
2. Working with team and having our final product

3. My challenge was figuring out how to mock Sockets, it did take me a while Until I get a recommendation to focus on only functionalities than mocking sockets.

4. Things I learned working with team is good and helps to narrow down the problem and get things done as a group

Martin Balke - Code Reviewer

- I love solving problems
- I’m a professional chef and baker currently
- I love going to farmers markets and cooking with all of the great ingredients in Washington



How did the project go?

- My contributions:
  - Database integration
- What went well:
  - The planning stage of this project was really great
- Things I learned:
  - I learned a lot about how to test databases

Morgan Shaw - Documenter

- I am from Texas & graduated from Texas A&M University.
- I currently work for Zillow Group.
- I am a proud parent of a Saint Bernard & a black cat

How did the project go?

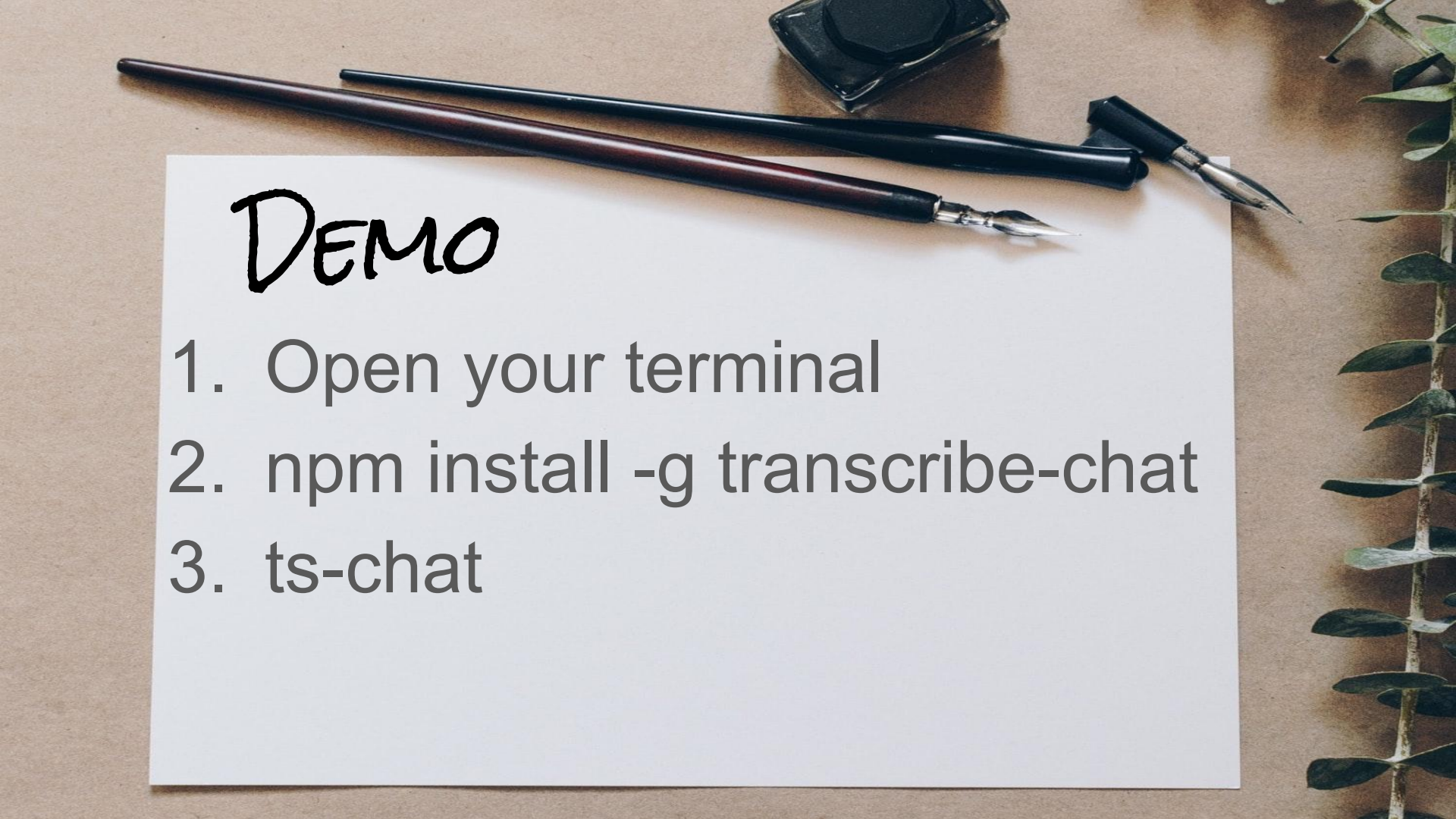
- My contributions:
  - Primarily Documentation & Readme
- What went well:
  - Communication with the team
- Things I learned:
  - A LOT about JSDocs! File structures too

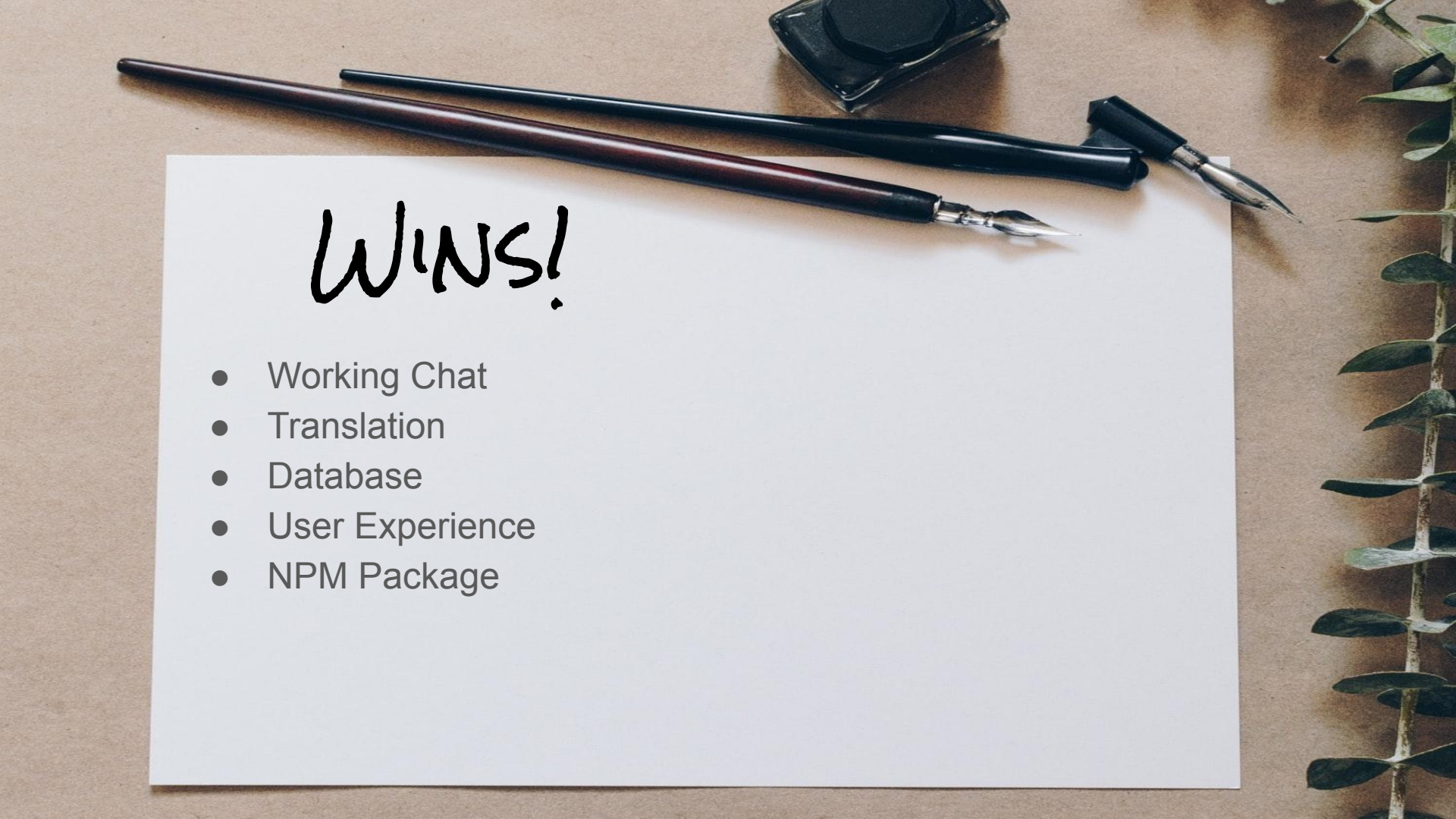
Problem

- The internet is an amazing technology that allows people from all over the world to connect together in one place. The biggest problem that you face when attempting to do that is the language barrier. How do you bring people together and allow them to effectively communicate with each other?

Solution

- We created an application that will translate each message into the user's preferred language.
- This allows users to have a conversation while using their preferred language and no additional work on their part.


Demo
1. Open your terminal
2. npm install -g transcribe-chat
3. ts-chat



Wins!

- Working Chat
- Translation
- Database
- User Experience
- NPM Package

Future!

- Authentication Integration
- Private Chat & Chat Rooms
- Pop-up Notifications
- Front-End
- Images & Emojis

Workflow

- Trello for task management
- GitHub for version control
- Slack for communication
- Team meetings

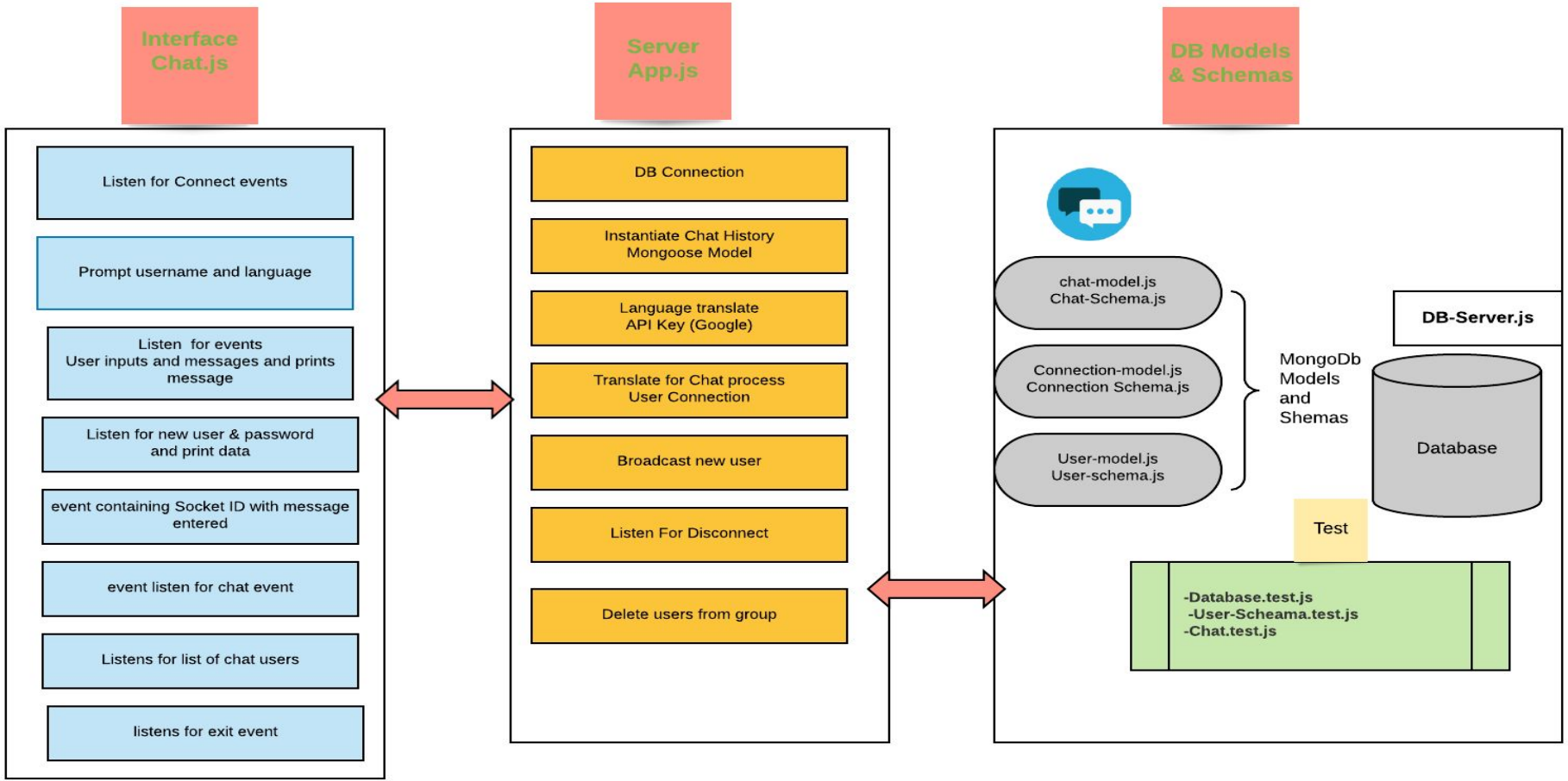
Testing

We tested our database & chat application

- Testing database helps us keep valid data in our database
- Testing chat helps us ensure our accuracy of our functions for the application

Growth
Version management
Collaboration & Trust
Communication

Questions?


Interface
Chat.js
Listen for Connect events
Prompt username and language
Listen for events
User inputs and messages and prints message
Listen for new user & password and print data
event containing Socket ID with message entered
event listen for chat event
Listens for list of chat users
listens for exit event
Server
App.js
DB Connection
Instantiate Chat History
Mongoose Model
Language translate
API Key (Google)
Translate for Chat process
User Connection
Broadcast new user
Listen For Disconnect
Delete users from group
DB Models
& Schemas
chat-model.js
Chat-Schema.js
Connection-model.js
Connection Schema.js
User-model.js
User-schema.js
MongoDb
Models
and
Shemas
DB-Server.js
Database
Test
-Database.test.js
-User-Scheama.test.js
-Chat.test.js