Use Cases and Logical Architecture

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- Project Title: Short Range Messaging Application

Provide at least 6 Use-cases describing the functionality of the proposed system

Section 1: For Each Use Case:

Title (goal)	Post
Primary Actor	User 1, User 2
Story	1. User 1 creates post. 2. User 2 can see post as they are within 15 miles. 3. User 2 movies outside 15 miles and can no longer see post.

Title (goal)	Event Post
Primary Actor	User 1, Business 1
Story	1. Business 1 creates event. 2. User is within the set range, therefore can see the event the days leading up to it.

Title (goal)	Like Post
Primary Actor	User 1, User 2
Story	1. User 1 creates post. 2. User 2 can see post as they are within 15 miles, then likes the post. 3. User 2 movies outside 15 miles and they can still see the post as they liked it.

Title (goal)	Comment on Post
Primary Actor	User 1, User 2
Story	1. User 1 creates post. 2. User 2 can see post as they are within 15 miles, then comments on the post. 3. User 2 movies outside 15 miles and they can still see the post as they comment on it.

Title (goal)	Delete Post
Primary Actor	User 1
Story	1. User 1 creates post. 2. User 1 wishes to remove post and deletes it.

Title (goal)	Sign in / Out
Primary Actor	User 1
Story	1. User 1 signs in, only options available are to sign in or create account. 2. User 1 is signed in. Can only see the options to sign out. 3. User 1 signs out. Can now see options to sign in or create account.

Section 2: Logical Architecture

In this section use www.draw.io to show how your architecture is distributed. Your architecture should to show:
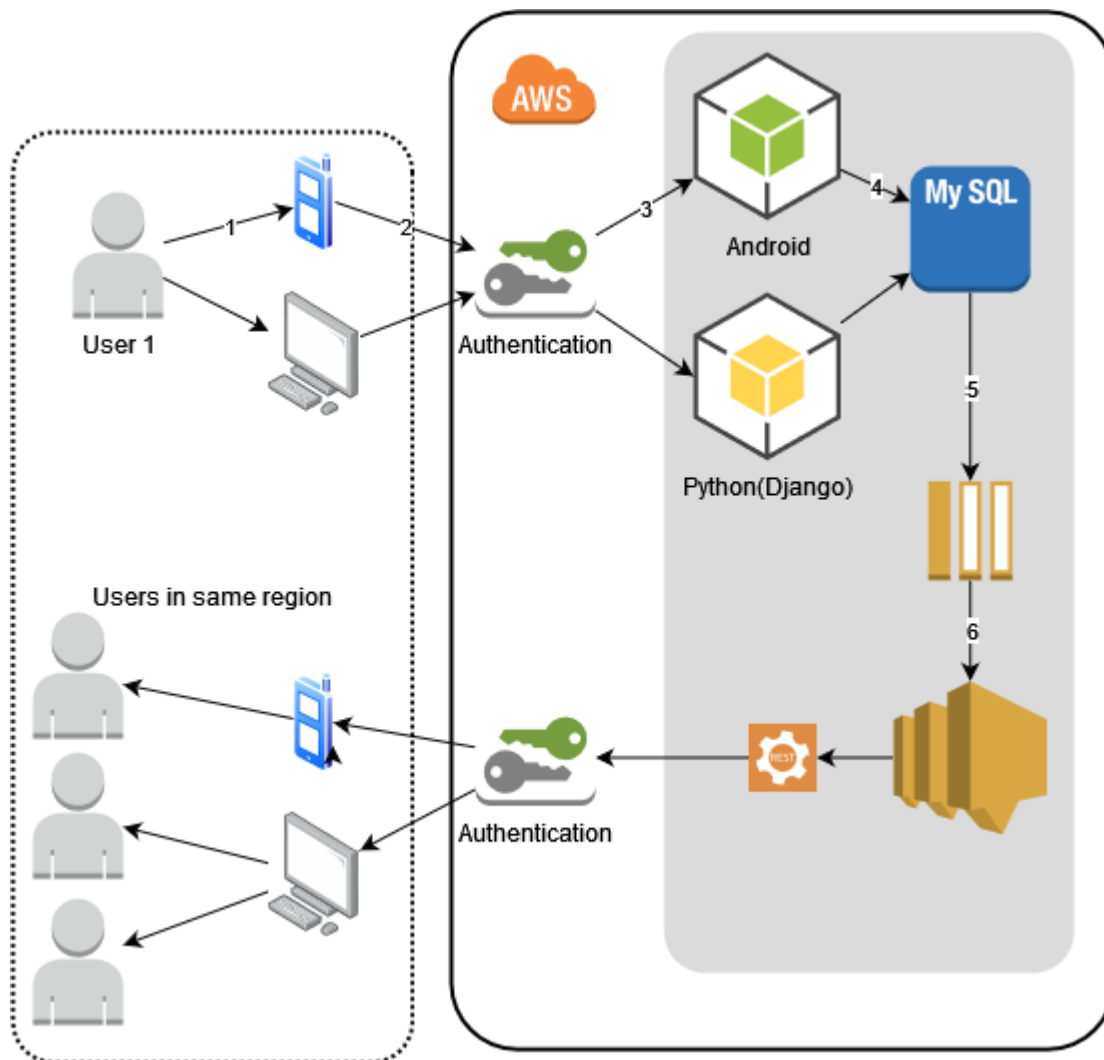
Software Components
Databases
App engines
Mobile platforms
APIs and languages (per component)
Deployment EG REStful, JDBC, sessionless etc
Security e.g. Https, certificates, authentication, etc.

Logical Architecture Discussion

- Discuss each component of your architecture
- Add numbers to the arrows and discuss the flow of data

Users can either use their phone or computer to login then begin posting.
Currently, I only have plans to produce the application as a website however it would be nice to eventually get it working as mobile app and on the app store. That would look really great for the final presentation.

The database I use is mySQL as I believe it would be the easiest to set up which then takes the message produced and put in the database and sends it as a message or 'post' and assuming that process is authenticated it is send to the device(s) of the users in the same region.

I think it would also be nice have no search function, messages are purely regional so it's only the users that can be confirmed (at least if they don't use a vpn) to be in that region.

All this imagery is also presented with AWS in the corner but ideally, it would not be run using AWS. If I could help it and it every actually gets to that point in development where the only thing left to do is host the site live for an extended period of time.