



CODE TALKERS

Guided by

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Code Talkers

MAJOR PROJECT PRESENTATION
PROJECT ID : LG-27

Objective

- A collaborative platform with real time code editor so that you can share what you are coding/ typing on the screen with other people at the same time.
- After connecting it to the platform, you can see the changes in your files as your team members type them.

Planning of Work



Features of Code Talkers

- Real Time Collaboration
- Video Conferencing
- Chat with team members

Real Time Collaboration

- With our fully collaborative editor multiple users can edit the same files as other users and remain in sync 100% of the time.
- The feature of real time collaboration is integrated through operational technologies. This feature is implemented using Ot.js
- CodeTalkers is built on javascript. Significant logic is shared between client and server for coding in javascript.

Video Conferencing & Text Chat

- We have built-in multi person video and text chat to the side of the editor for easy communication process among members.
- This feature is implemented using socket.io which enables event-based communication.

Stack Used

- **Frontend :**

HTML , CSS , Bootstrap , Javascript

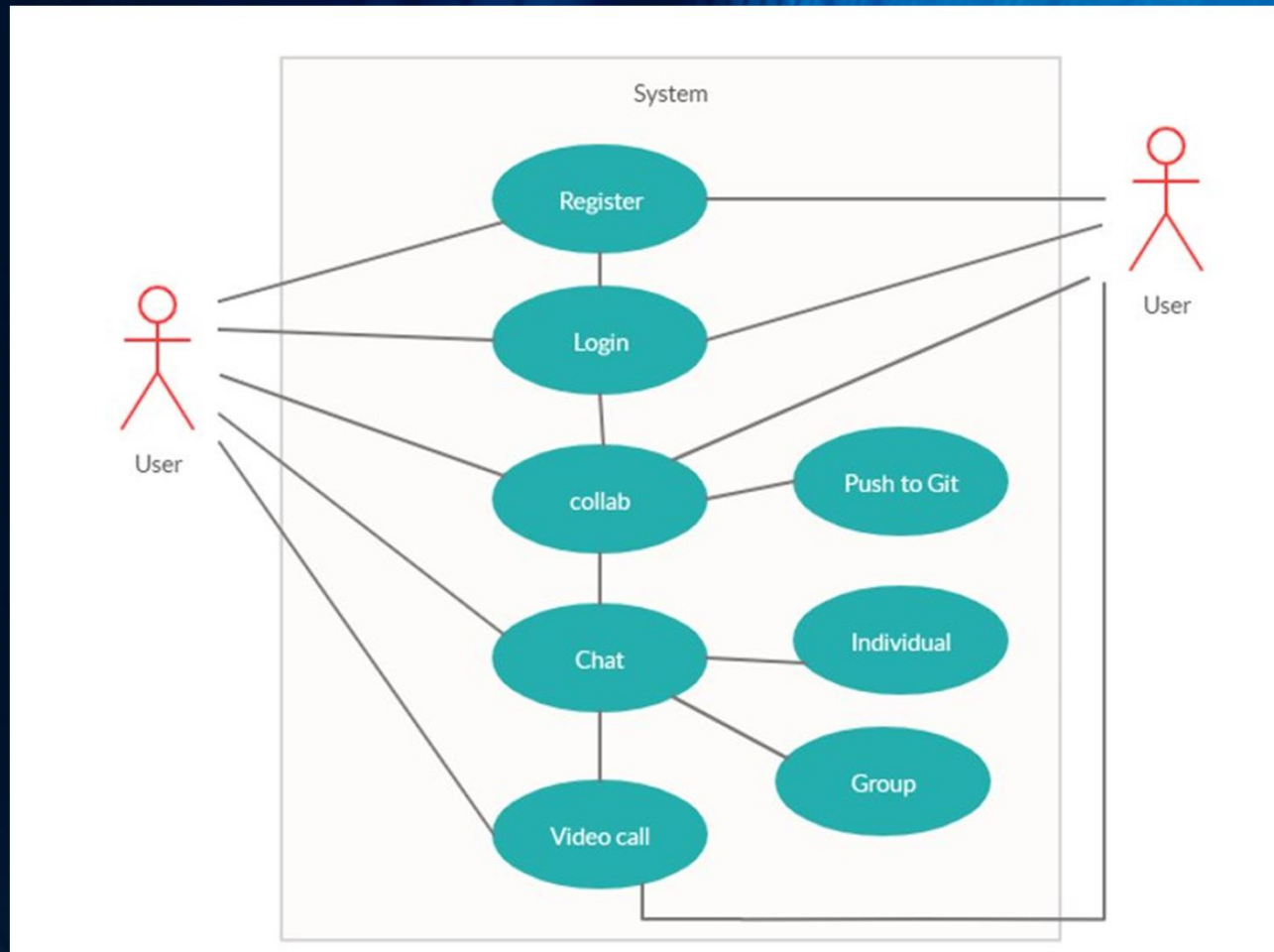
- **Backend :**

- Node.js, Socket.io,

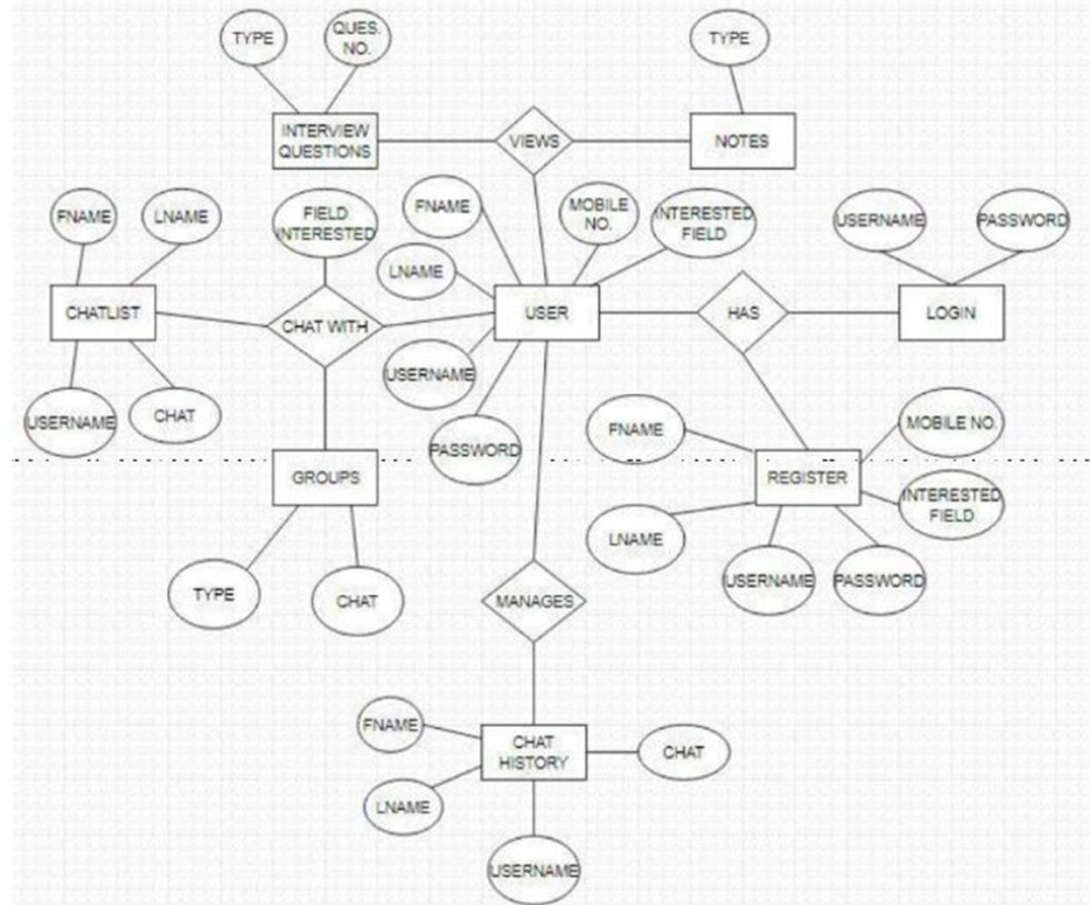
- **Database :**

- MongoDB

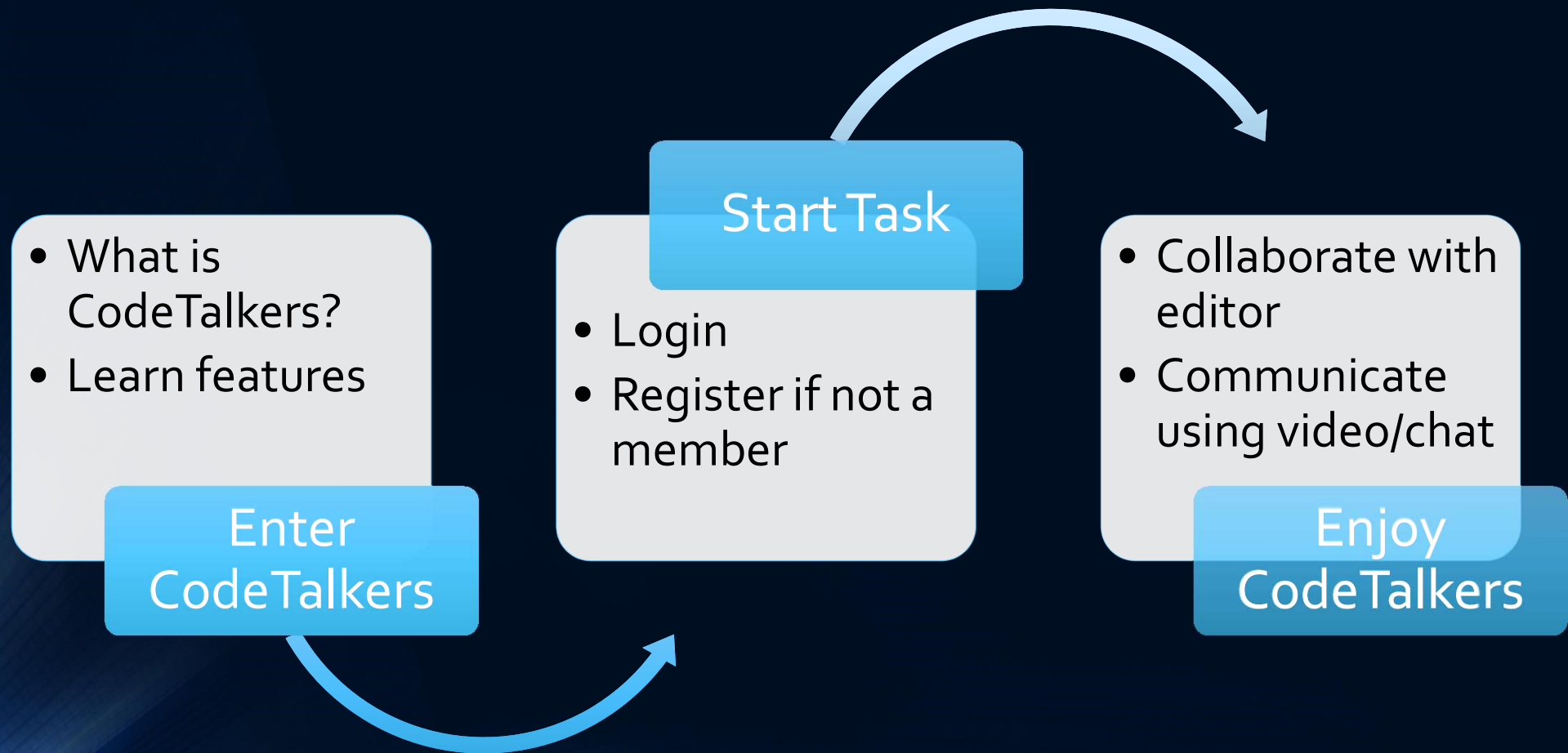
Use Case Diagram



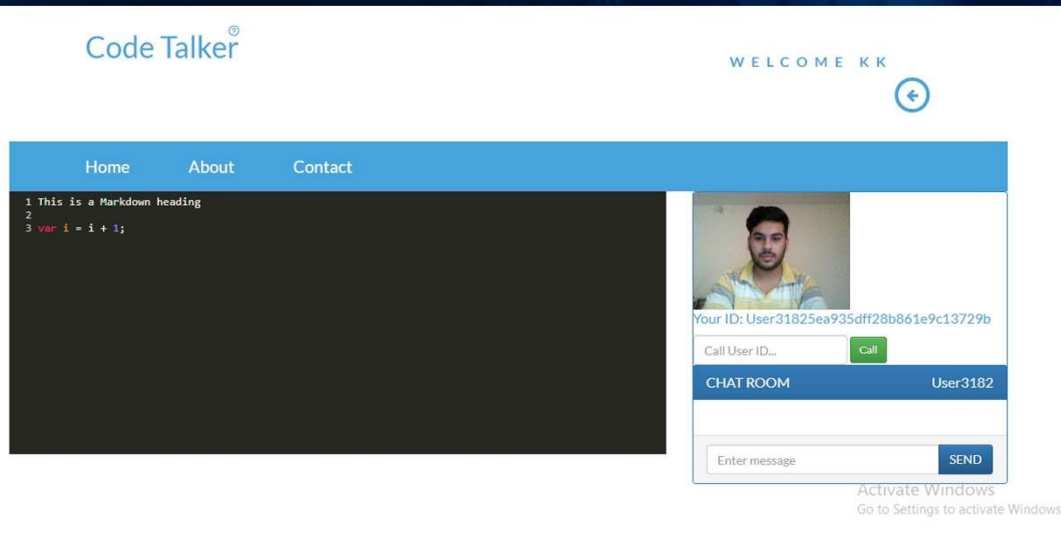
ER Diagram



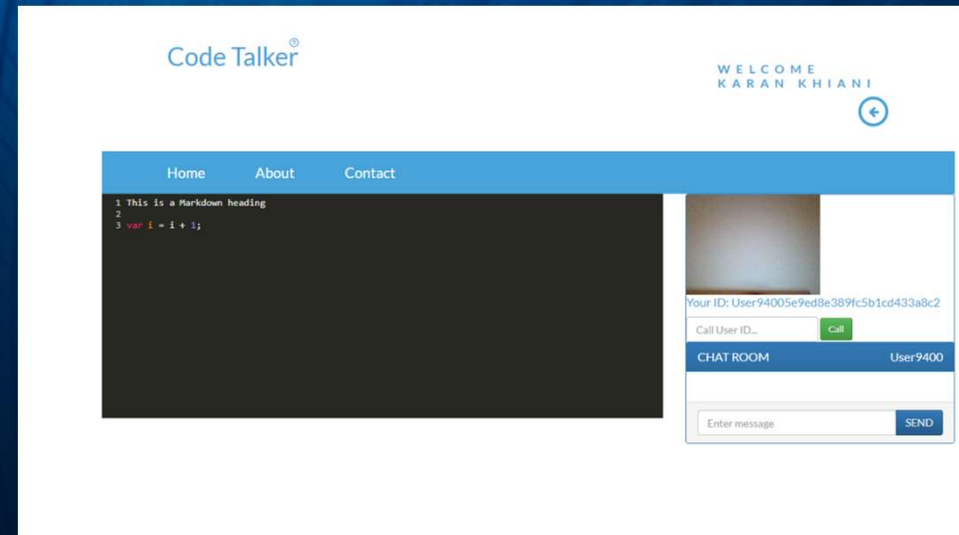
Process flow of Code Talkers



Working of CodeTalkers



Screen 1



Screen 2

Conclusion

- The development of application was completed successfully.
- Authentication was done using passportJS.
- The user can work with another user using real-time editor.
- Video Calling and Chat feature makes the users more interactive.
- The web application has a simple user interface.
- Testing has been done to ensure proper working of web application.

References

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Thank You

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