CREATINK

- Ali ÇAVUŞ 201911019
- Aylin AKYOL 201911004
- Çağdaş TERZİ 202111409
- Rıfathan TAŞLI 201911062
- Yağan SOYKAN 201911057

Advisor: Faris Serdar TAŞEL

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PROBLEM

- Nowadays, tattoo artists use illustration applications for design, but there is no application specifically for tattoo design.

ANALYSIS

- We interviewed several tattoo artists who are affected by this issue. As a result of these interviews, we identified the shortcomings in the applications they use and developed an application to address these issues.
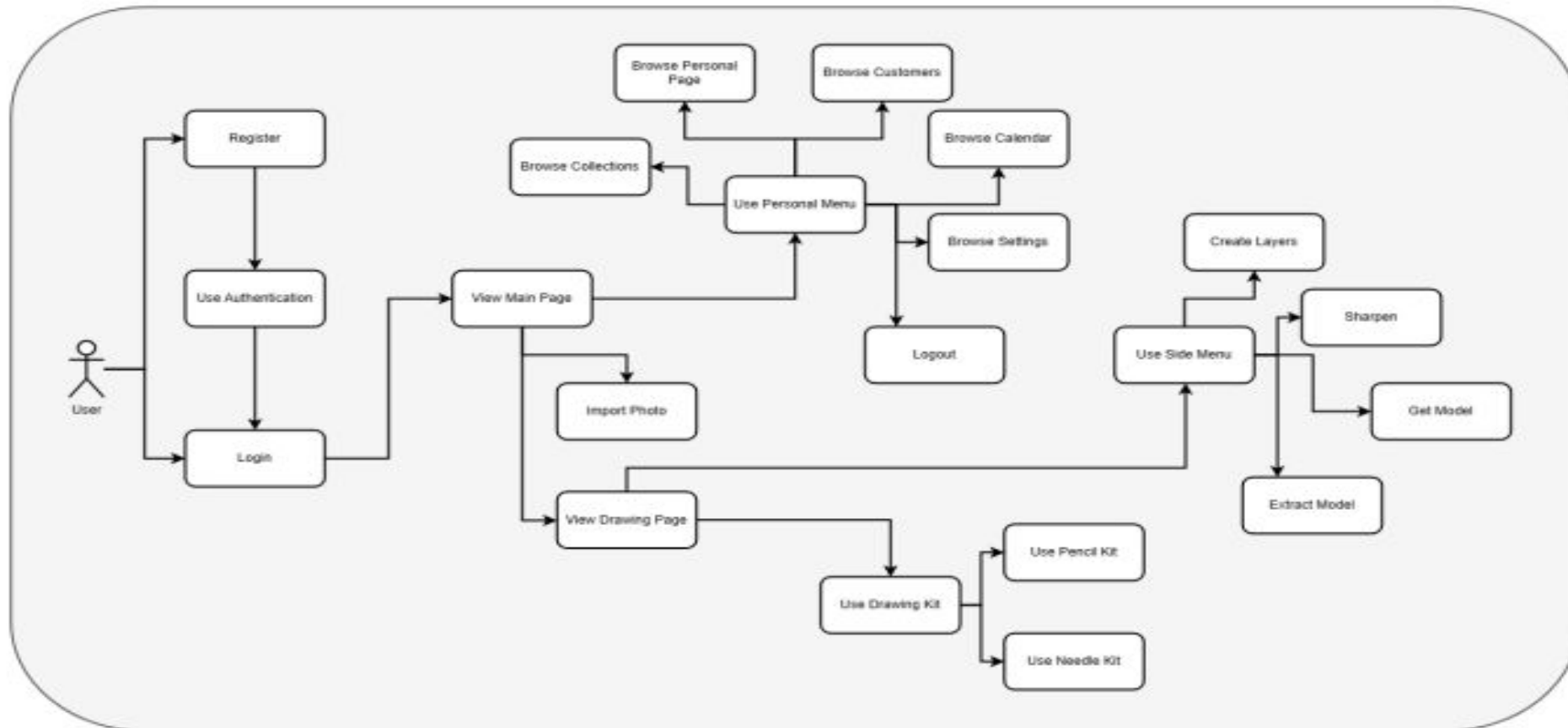
ANALYSIS(CONT.)

- Unlike other applications, the application we developed is specifically focused on tattoo design and its features are inspired by the ideas of tattoo artists.

SOLUTION

SOLUTION

- Technologies:
  - React.js
  - Python
  - OpenCV
  - MySQL

RESULTS AND CONCLUSION

- To sum up, we have developed a tattoo design application that mostly incorporates the features desired by designers using image processing and is open for further development in the future.

RESULTS AND CONCLUSION

- Advantages:

  - Eliminating the need for users to use a separate application.

  - Facilitating tattoo design through image processing.

  - Enabling artists to easily access their past records.

RESULTS AND CONCLUSION

- Disadvantages
  - The application may slow down when the data size increases.
  - Insufficient number of functions in the drawing tab.
  - There is currently no online database server.

FUTURE WORK

- Improvement of the drawing screen

- UI development

- Utilization of more complex image processing functions

REFERENCES

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- https://reactnative.dev/

- https://www.npmjs.com/package/react-native-photo-manipulator

DEMO