



Pediatric Emergency Medicine Application (Web)

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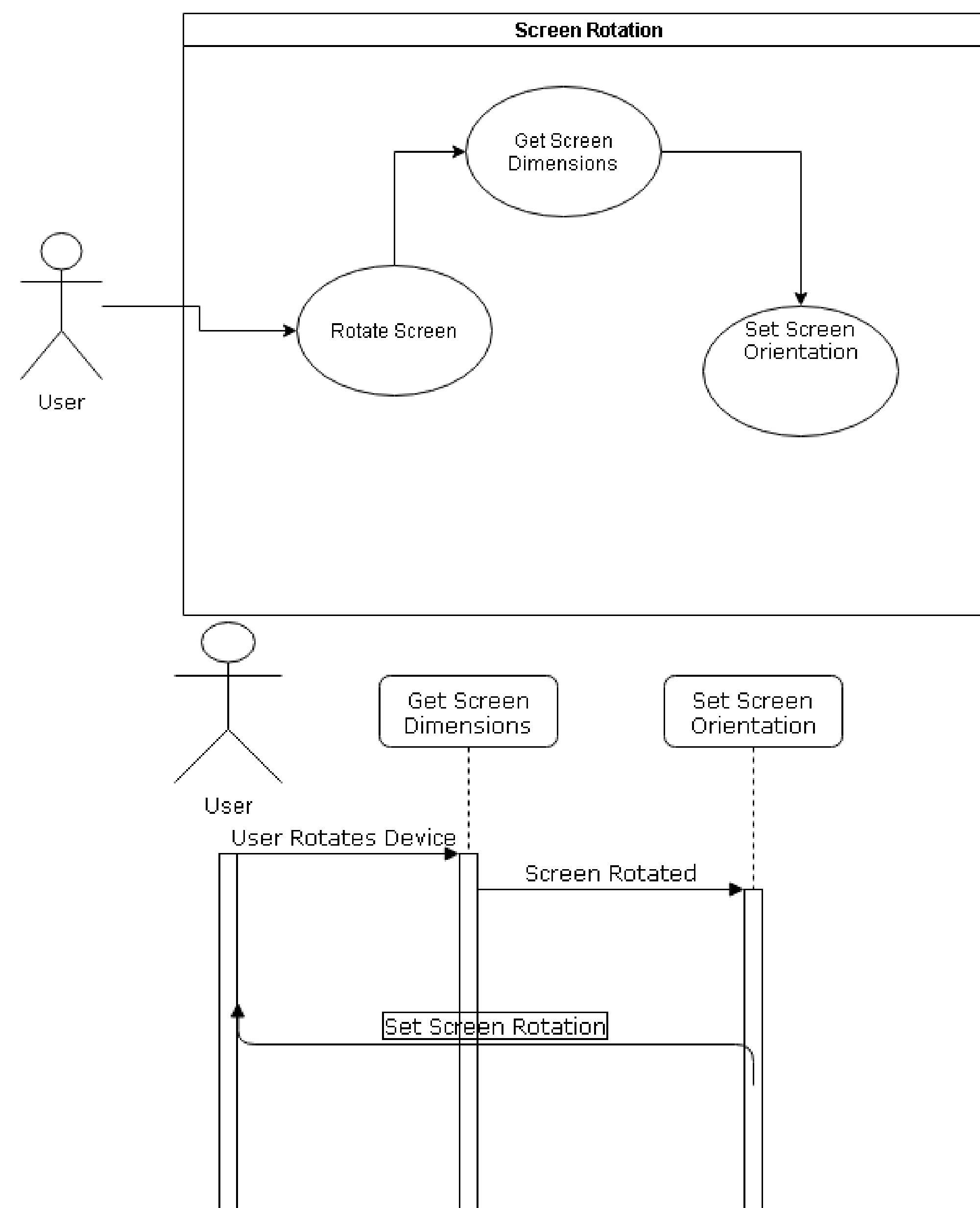
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Problem

There was a range of devices that had been tested and had been found to have some trouble depending on the screen resolution. We also thought that it would add to productivity for those who have an iPad if we added landscape mode to the application. The PO's were also interested in exploring an online Web-Based admin portal where they could easily edit the information in the application from the comfort of a desktop environment.

System Design



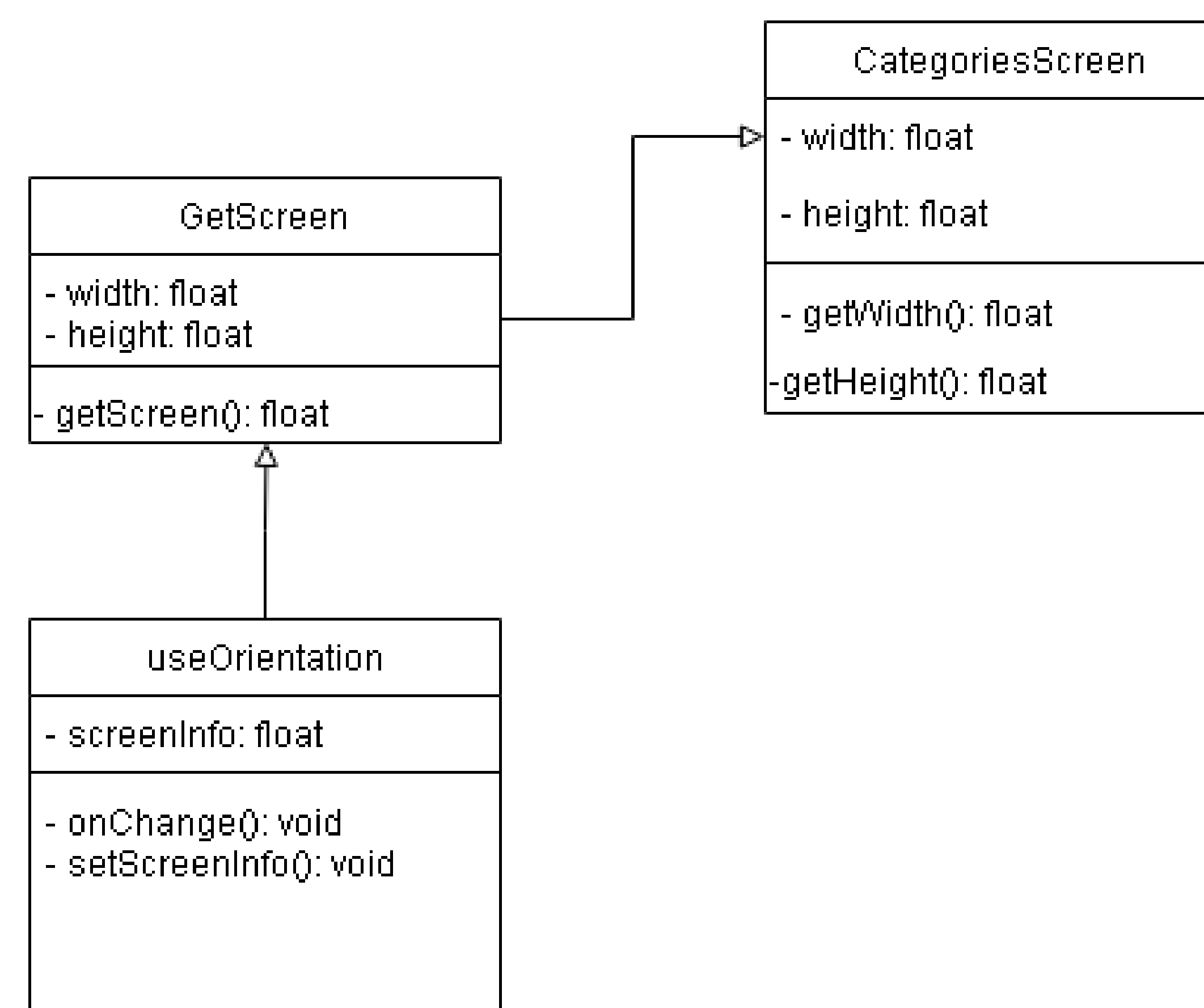
Verification

- User is able to rotate their screen 90 degrees and user interface orientation changes to landscape mode.
- User interface scale changes according to current display resolution.

Current System

The current version of the Pediatric Emergency Medicine Application (PEM App) includes new and upgraded functionality such as improvements to the user interface based on PO's feed back, improved search, improved sorting, and much more.

Object Design



Screenshots



Requirements

- Recognize when device has changed from portrait mode to landscape mode.
- Adjust user interface position according to that of the device.
- Improve user interface sizing depending on screen resolution.
- Create a repository for Web Admin Page.
- Set up react project for Web Admin Page.

Implementation



Summary

The updates made this semester to the Pediatric Emergency Medicine Application (PEM App) will allow medical professionals to use the application more efficiently. Improving the adaptability of the user interface to different screen resolutions will make the app more accessible to a wider range of users. Capstone I members continue to familiarize themselves with React Native, React, and PEM source code. This will allow for a smoother transition for their upcoming Capstone 2 course.

Acknowledgement

The material presented in this poster is based upon the work supported by Jean Hannan and Bruce Quinn. Thank you to both for their cooperation and mentorship throughout this process. Also, thank you to my teammates for their hard work, dedication and great team effort.