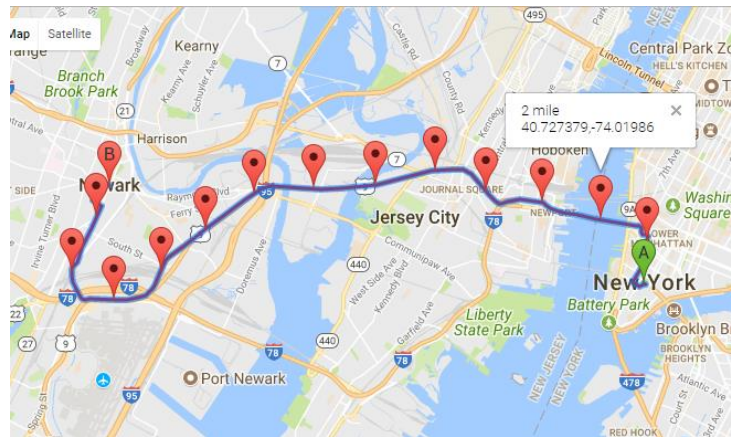
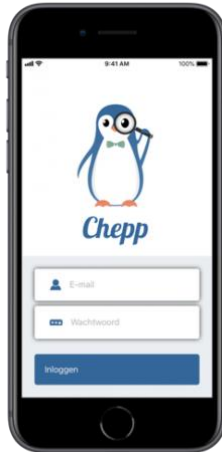


## SPORTKEUR 2.0: FULL-STACK APPLICATION DEVELOPMENT FOR THE RISKS AT SPORTS

Our project sportkeur 2.0 is about managing risks at sports. This project is initiated by Go2Sure, a risk management company who provides risk management platform for



building inspection, fire safety and occupational safety. This platform is provided by a software solution, using an app called Chepp. It is available for android, iOS and as a web-application. In Sportkeur 2.0 they also want to extend their application in sports. One of the initiatives is to analyze the risk elements in events like marathons and bike-races. The idea is to inspect the racing-track before the event using a camera and mark the risk elements and its location information on a map. The map should also show the routes of the inspected area/path. This information should be collected using an android/iOS phone while performing inspection and later be updated on their web-portal. The current application is built using php and angular JS. The video analysis is done using python. Hence the added functionality should be compatible with these programming languages. This work would be directly supervised at Go2Sure.

### TASK DESCRIPTION

- Understanding the business case from functionally and technical point of view
- Designing a platform which is easy to use and is compatible with the existing application at the company.
- Cross-platform implementation would be added benefit
- Realization of the features by demonstrating on the app

### PRACTICAL INFORMATION

- **Student profile:** Software Engineering Internship student; knowledge in one or more programming language is appreciated: android, iOS, php, angular JS, python
- **Contact person(s):** Raoul Willemsen <[r.willemsen@go2sure.nl](mailto:r.willemsen@go2sure.nl)>, Tatiana Goering <[t.s.goering@saxion.nl](mailto:t.s.goering@saxion.nl)>, Prachi Bagave <[p.bagave@saxion.nl](mailto:p.bagave@saxion.nl)>
- **Lectoraat Ambient Intelligence:** [saxion.nl/ami](http://saxion.nl/ami)