**Risk Analysis**

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| **Risk** | **Description** | **Likelihood** | **Effect** | **How it will be dealt with** |
| Coding ability in React Native | No one in the group has any experience with React Native in the past, so setup and coding might be tricky | Fairly likely | Fairly high | We will spend more time at the start of the project learning how to set up React Native and learning how it works |
| Coding ability in PHP | Only one member has a lot of experience using PHP | Fairly Likely | Not very high | Lukas can help other group members with the backend, and more time can be spent learning PHP. Our PHP scripts wont be very long either |
| Using Firebase | No one has used firebase before, so setting it up might be an issue | Fairly Likely | Not very high | Firebase is very well documented and gives straight forward tutorials for setup and using Realtime databases, so just reading and understanding these tutorials |
| Group member not doing expected workload | If a group member doesn’t do enough work | Not very likely | Very high | Other group members would have to pick up workload, and consider removing some planned features to compensate |
| Integrating Firebase and MySQL database | As we might be using two databases for our project, making the two work together might be tricky | Fairly Likely | Not very high | Have some sort of key that you can use to search for users |
| Using an android emulator | Most of our group members done have an android phone, so we would have to use an android emulator | Very high | Not very high | Integrating React native, expo and android studio is very well documented, so it shouldn’t cause much of an issue if we follow the tutorial. |
| Having our project work both on Android and IOS | As we plan on having our app available on both android and IOS, which may lead to implementation and integration problems | Fairly Likely | Fairly high | Make sure we test our app both on android and IOS throughout the development process |