# Risks and Open Issues

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| **Date** | **Risk or Issue Description** | **Potential Impact** | **Mitigation/Resolution Steps** | **Status** |
| 2019-04-25 | Implementing a “new” GUI (**Risk**) | Client may disagree with some design choices. Also we are not graphic designers so we may not make the best choices either. | Will communicate with the client as much as possible to ensure that the vision is aligned as much as possible  GUI has been implemented by John | Closed |
| 2019-04-25 | Getting/Uploading an Image to s3 (**Risk**) | Unfamiliar with everyone, may use the wrong SDK, or may encounter bugs that may be hard to estimate time to fix | Read as much documentation as possible, and do a lot of test cases  Uploading images has been implemented in the application | Closed |
| 2019-04-25 | Bugs from Stage 1 (**Risk**) | Found some bugs from Stage 1.  May cut into development time | Will fix and take more measures in test cases to reduce the amount of bugs in the future  Bugs have been fixed from Stage 1 | Closed |
| 2019-05-03 | Implementing machine learning aspects into the project (**Risk**) | Estimates are hard to tell, as no one has done any work with machine learning in Android.  Potentially unable to deliver on time due to the tight schedule | Everyone has agreed to come in early in the early weeks to get as much core functionality done as possible before starting this portion of the project | Open |
| 2019-05-04 | Consumer unpredictability (**Issue**) | Both the team and client seem to agree together very often, but there is a possibility that the end consumer may disagree with technical or design choices made in the project | Ask for as much input as possible from the client, while also potentially asking third party sources what they think about the application | Open |
| 2019-05-05 | Creating a user manual that does not sufficiently explain the application | Failure to complete a comprehensive user manual would mean under delivering to our client and requiring us to rewrite the documentation | We will frequently communicate back and forth between our client and our supervisor for feedback  User manuals have all been created | Closed |
| 2019-05-05 | Additional functionality requests are vague (**Issue**) | The implementation of functionality discussed during meetings may not perfectly match what our client was expecting | Have detailed discussion during meetings to get as much detail as possible on functionality, perform in-team analysis on functionality to ensure that what we are implementing satisfies client requirements and makes sense for the project | Open |
| 2019-05-05 | Overpromising Work (**Risk**) | The team under delivering what was promised to the client | Assume worst case scenarios for time estimates and only take on new work if we are certain it can be completed. | Open |
| 2019-05-11 | Human error when entering a beacon region ID on the administrator side (**Risk)** | In the event the region ID is not entered correctly, the Bluetooth side of the application will not function properly | Added error checking when entering the region ID  Added some exception checking for the user | Closed |
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