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Research Area: Applied Software Engineering

The software that we develop this summer will be focused on efficient and effective event mapping- making our tool simpler, smaller, and easier to set up and use than its competitors. Our application will make use of Google Maps which has an interface that most people have grown accustomed to navigating. Many of the other applications used for this purpose make use of GIS (Geographic Information Systems) a standard which many have been forced to become familiar with, but represents a significant learning curve to new users. Because our application will be written in Java, it will be easily distributable to mobile devices, widening the possible uses of the application to include event reporting in the field. This is particularly useful in a combat scenario; when soldiers observe hazards they will be able to quickly communicate the exact location and nature of the threat through our program. Ultimately this application will be extended to include events gleaned from text as well, such as newspaper reports. Because these events will be automatically added, this mapping software offers a complete, third-party view of an area and its events, limited only by the accuracy and number of journalists reporting in that area.

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