

## ABSTRACT

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*Mountain climbing is a popular sporting activity that is beneficial for both physical and mental health. However, many climbers face obstacles related to inaccurate and incomplete information regarding routes, weather, and essential knowledge during the climb. Proper navigation and good preparation are key to safety when climbing a mountain. The results of an online survey with 20 respondents showed that most of them experienced difficulties in navigating branching paths, lack of preparation before climbing, and difficulty observing the weather before climbing. To solve these problems, we suggest developing an app specifically designed to help mountain climbers. This application will provide accurate weather forecasts, offline map navigation features, knowledge about climbing. It is hoped that this application can assist climbers in finding route information that can be used as a guide, reduce the risk of getting lost on the mountain, and increase safety during climbing.*

*Keywords: Mountain, climbing activity*