

# Development of ‘SeniorHouse’ Application for Online Education

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*Abstract*— With the diffusion of technology worldwide, almost every individual is starting to have at least one mobile device, making mobile applications very popular and an important sector. Given the direction in which many sectors, including education, are moving, there is a clear and evident need for communication on-line rather than in-person. Concerning universities, the communication gap between teachers and students was particularly compromised in light of the Covid-19 pandemic. This study is aimed to fill in this gap by developing a social platform where students and teachers can share their posts and create their personal profiles. The Firebase database and Android Studio are the chosen technologies for this paper due to their compatibility as well as popularity as a chat application, along with Java as the programming language. The developed platform, named “SeniorHouse”, is focused on educational content to provide both faculty and students with a two-way, real-time communication to share updates, posts, documents, project ideas, and personal profiles, to name a few. The SeniorHouse application has significant potentials to be expanded into a major hub for future on-line education.

*Keywords*— *Social platform, Post, Profile, Firebase database, Android studio, Java programming language*