

Mobile Programming 21/22

Project 1 – Social app

Introduction

The objective of this project is to implement a social app for nearby interaction using Bluetooth or Wifi Direct.

Objectives

- a) The application should have the following features:
 - 1) Must have a settings activity for editing profile and settings (4pt)
 - 2) Implement a chat using Bluetooth or Wifi Direct for connecting two users (8pt):
 - 1) Allow for indirect messages, where one or more devices acts as intermediary carriers
 - 3) Must have a personal wall to allow posts. It should allow replies from other users (4pt).
 - 4) Allow chat messages to share photo and videos (2pt).
- b) Implement backends to allow communications to save state and allow communications when Bluetooth is not available (2pt).
- c) Bonus: Implement voice chat (2/20).

Notes

You must have at least two physical devices to develop and test. Otherwise, you will not be able to use Bluetooth or wifi-direct.