Total Marks: 25

1. Project Proposal (due November 12, 2022) [03 marks]
   1. Title of the project:   
      **NoMoSolo**
   2. Team members
      * + - Mateus de Olivera (300354791)
          - Umar Salih (300344953)
          - Viet Anh (Bill) Nguyen (300355676)
   3. Description
      1. An overview what the project is about, target audience, …

NoMoSolo is a social media application that helps bringing musicians together. The app’s algorithm enables musicians to find other musicians to jam or gig with, using their specified preferences of an ideal musical partner(s).

* 1. Deliverable features and describe the functionality per feature

Example:

|  |  |
| --- | --- |
| Feature | Description |
| Registration | Let the user create an account.  The form will have the following fields:   1. First name 2. Last name 3. Email address 4. Phone number |

* Minimum of 6 features.
* Must use/implement (but not limited to):
  + SQLite (crud)
  + Intent
  + DatePicker
  + RecyclerView

Please make sure that your application has enough complexity that all members of the group can participate in the development and coding of the application.

|  |  |
| --- | --- |
| Feature | Description |
| Registration | Let the user create an account.  The form will have the following fields:   1. First name 2. Last name 3. Email address 4. Phone number 5. Security questions |
| Login/Logout | Let the user login to their account   1. Username (email) 2. Password |
| Recovery | Let the user recover their password or account access   1. Security questions verification 2. Set up new password |
| User Profile | Let user describe who they are as a musician, and specify preferences of who they would like to meet   1. Instrument(s) and its respective skill level 2. Genre(s) of music 3. User photo 4. User bio 5. Seeking instrument(s) 6. Seeking genre(s) of music 7. Update account 8. Delete account |
| Matching | Algorithm selecting matches of musicians that fit each other’s criteria and pair them.   1. Users get notifications of matches |
| Communication | Enables users to chat with each other   1. Text messages |
| Calendar | Enables users to display dates on the calendars of their scheduled jam sessions   1. Datepicker |

1. Final Project (Application) (due December 3, 2022) [22 marks]
   1. Video Presentation [5 marks]
      1. All the team members need to present the modules they developed/contributed
      2. Provide an overview of the project and the intended audience
      3. Proof of a working application
         1. Go through the features that you mentioned in your proposal
         2. Demonstrate that they are working
   2. Program Correctness [12 marks]

“In software engineering, the **correctness** of a program or system is achieved if it behaves exactly as intended for all of its use-cases.

Before software is developed, engineers craft a list of specifications that their system must adhere to in order to achieve correctness. Without achieving correctness, a system is not ready for use, as it might be unsafe or incomplete.”

[What is correctness in software engineering? (educative.io)](https://www.educative.io/answers/what-is-correctness-in-software-engineering)

In summary, the module should perform as intended.

Example: A module that computes for the monthly mortgage payment should provide an accurate result. If the monthly payment is supposed to be 1,250.90, the output should be exactly that amount (no more or less).

If a user enters a non-numeric value, the module should be able to handle it appropriately (e.g. display a friendly message to user reminding him/her to enter only numbers …. )

* 1. User Interface [5 marks]
     1. Intuitive, user friendly, consistency in terms of look and feel
     2. Easy to navigate