LE RAPPORT

Guide Développeur : -

C'est le MainActivity class

Il est responsable de l'animation au démarrage et amène l'utilisateur à la page de connexion

```
public class MainActivity extends AppCompatActivity {
 Button suivant;
    TextView t1,t2;
    Animation animate_btn,animate_txt, animate_txt2;
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
       setContentView(R.layout.activity_main);
       suivant = findViewById(R.id.suivant);
       t1 = findViewById(R.id.logintextview);
       t2 = findViewById(R.id.registertextview);
       animate_btn = AnimationUtils.loadAnimation( context: this, R.anim.animate_btn);
        animate_txt = AnimationUtils.loadAnimation( context: this, R.anim.animate_texts);
        animate_txt2 = AnimationUtils.loadAnimation( context: this, R.anim.animate_texts2);
        suivant.setAnimation(animate_btn);
       t1.setAnimation(animate_txt);
        t2.setAnimation(animate_txt2);
        suivant.setOnClickListener(v \rightarrow {}
            Intent i = new Intent(getApplicationContext(),LoginActivity.class);
            startActivity(i);
```

Cette classe est responsable de la connexion de l'utilisateur

```
public class LoginActivity extends AppCompatActivity {

   TextView logintextview;
   Button toRegister,login;
   EditText email,password;
   Animation animate_btn,animate_txt, animate_txt2;

// Firebase Auth
   private FirebaseAuth firebaseAuth;
   private FirebaseAuth.AuthStateListener authStateListener;
   private FirebaseUser currentUser;

// FireBase Connection
   private final FirebaseFirestore db = FirebaseFirestore.getInstance();
   private final CollectionReference collectionReference = db.collection( collectionPath: "Users");
```

Il vérifie l'utilisateur avec l'authentification Firebase Database

Cette classe est responsable de l'enregistrement des utilisateurs dans la base de données Firestore Firebase

```
public class RegisterActivity extends AppCompatActivity {
    TextView registertextview;
    EditText password_create, email_create, username_create;
    Button register, backToLogin;
    Animation animate_btn,animate_txt, animate_txt2;

// Firebase Auth
    private FirebaseAuth firebaseAuth = FirebaseAuth.getInstance();
    private FirebaseAuth.AuthStateListener authStateListener;
    private FirebaseUser currentUser;

// FireBase Connection
    private final FirebaseFirestore db = FirebaseFirestore.getInstance();
    private final CollectionReference collectionReference = db.collection( collectionPath: "Users");

@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        registertextview = findViewById(R.id.registertextview);
        register = findViewById(R.id.register);
        backToLogin = findViewById(R.id.password_create);
        email_create = findViewById(R.id.email_create);
        username_create = findViewById(R.id.email_create);
        username_create = findViewById(R.id.username_create);
```

Il s'agit de la classe Model pour le poste,

Il est utilisé comme classe abstraite pour tous les messages

```
public class Journal {
    private String title;
    private String thoughts;
    private String imageUrl;
    private String userId;
    private String userName;
    private String userName;
    private String timeAdded;

public Journal() {
        Empty Constructor Needed for Firestore
    }

public Journal(String title, String thoughts, String imageUrl, String userId, String userName, String timeAdded) {
        this.title = title;
        this.thoughts = thoughts;
        this.imageUrl = imageUrl;
        this.userName = userName;
        this.timeAdded = timeAdded;
}

// Getters and Setters

public String getTitle() { return title; }

public void setTitle(String title) { this.title = title; }
```

Cette classe est responsable de l'affichage des messages des utilisateurs

Cette classe est chargée de sauvegarder les messages dans la base de données

```
public class MyJournal extends AppCompatActivity {
    private static final int GALLERY_COOE = 1;
    private TextView welcomeUser;
    private Button postSave, backToDashboard;
    private ProgressBar progressBar;
    private ImageView addImageButton, imageView;
    private EditText title, thoughts;

// User Id & Username
    private String currentJournalUserId;
    private String currentUsername;

/**

    * Firebase Authentification
    */
    private FirebaseAuth firebaseAuth;
    private FirebaseAuth AuthStateListener authStateListener;
    private FirebaseUser currentUser;

/**

    * Firebase Firestore
    * Firebase Firestore
    * Firebase Connection
    */
    private StorageReference storageReference;
    private final CollectionReference collectionReference = db.collection( collectionPath: "Journal");
    private final CollectionReference collectionReferenceJournal = db.collection( collectionPath: "Journal");
    private Url imageUrl;
```

Diagramme de sequence pour l'application

