activities

## StartActivity

-TAG : String = "StartActivity"
-iconImage : ImageView
-linearLayout : LinearLayout
-register : Button
-login : Button
-STORAGE_PERMISSION_CODE : int = 1
-loginWeb : Button
-loginEmbedded : Button
-signupEmbedded : Button
-loginFacebook : ImageView
-loginGoogle : ImageView

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#onCreate(savedInstanceState : Bundle) : void
-setUpActivity() : void
-enableLoginFacebook() : void
-enableLoginGoogle() : void
-setUpLogin() : void
-enableLogin() : void
-enableRegistration() : void
-requestGPSPermission() : void
-requestPermissions() : void
+onRequestPermissionsResult(requestCode : int, permissions : String[], grantResults : int[]) : void

## PathActivity

-TAG : String = "PathActivity"
-saveGpx : Button
-openMap : Button
-writeReview : Button
-difficultText : TextView
-durataText : TextView
-startPoint : TextView
-description : TextView
-accessibilitaView : CircleImageView
-reviewsSize : TextView
-namePathText : TextView
-regioneText : TextView
-nazioneText : TextView
-recyclerRecensioni : RecyclerView
-progressBarReviews : ProgressBar
-progressBarPhoto : ProgressBar
-slider : ViewFlipper
-addToCompilationButton : Button
-addSightsButton : Button
-naPath : NaPath
-adapterReview : ReviewCardAdapter
-user : User

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#onCreate(savedInstanceState : Bundle) : void
-setUser(user : User) : void
-setNaPath(naPath : NaPath) : void
-setUpActivity() : void
-setUpPath() : void
-setUpButton() : void

## MainActivity

-TAG : String = "MainActivity"
-plusButton : FloatingActionButton
-addCompilationButton : FloatingActionButton
-addPathButton : FloatingActionButton
-clicked : boolean = false
-user : User
-sharedViewModel : SharedViewModel

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#onCreate(savedInstanceState : Bundle) : void
-setUser(user_extras : Bundle) : void
-enableNavigation() : void
-rotateOpen() : Animation
-rotateClose() : Animation
-fromBotton() : Animation
-toBottom() : Animation
-setUpFab() : void
-onPlusButtonClicked() : void
-onAddCompilationClicked() : void
-setUpCompilationDialog() : void
-onAddPathButtonClicked() : void
-setVisibility(clicked : boolean) : void
-setAnimation(clicked : boolean) : void
-setClickable(clicked : boolean) : void

## AddPhotoToPathActivity

-TAG : String = "AddPhotoToPath"
-emailUser : String
-buttonConferm : Button
-buttonAddPhoto : Button
-buttonCancel : Button
-progressBar : ProgressBar
-photosBitmap : ArrayList<Bitmap> = new ArrayList<>()
-recyclerViewPhotos : RecyclerView
~launcher : ActivityResultLauncher<Intent>
~photoPermissionLauncher : ActivityResultLauncher<String[]>
~photoCardAdapter : PhotoCardAdapter
-naPath : NaPath

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-uploadPhotoToDatabase(photoBitMap : Bitmap, idPath : int) : void
#onCreate(savedInstanceState : Bundle) : void
-uploadPhotos() : void
-openAddPhoto() : void
-requestStoragePermissions() : void

## InsertMapPathActivity

-map : MapView = null
-backButton : Button
-editTextStartPoint : AutoCompleteTextView
-editTextEndPoint : AutoCompleteTextView
-enableStartPoint : Button
-enableEndPoint : Button
-buttonSearchPathWithNamesAddresses : Button
-buttonConfirm : Button
-progressBar : ProgressBar
-TAG : String = "MapInsertPath"
-mapUtils : MapUtils

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#onCreate(savedInstanceState : Bundle) : void
-createPath() : void
#onResume() : void
#onPause() : void
-enableStartPoint() : void
-enableEndPoint() : void
-changecolorEndPoint(button : Button) : void
-changecolorStartPoint(button : Button) : void

## AddPathManuallyActivity

-TAG : String = "AddPathManualyActivity"
-spinnerDifficulties : Spinner
-confirmButton : Button
-nameEditText : EditText
-durationEditText : EditText
-disabledAccessibilitySwitch : Switch
-descriptionEditText : EditText
-cancelButton : Button
~locationPermissionRequest : ActivityResultLauncher<String[]>

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-enabledGPS() : void
-gpsIsEnabled() : boolean
#onCreate(savedInstanceState : Bundle) : void
-requestGPSPermission() : void
-createPath() : void
-checkInput() : boolean
-InsertPath(name : String, userEmail : String, difficulties : String, duration : int, disableAccessibility : boolean, description : String) : void
-openMapInsertPath(name : String, difficulties : String, duration : int, disableAccessibility : boolean, description : String, userEmail : String) : void

## LoginActivity

-TAG : String = "LoginActivity"
-login : Button
-email : EditText
-password : EditText

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#onCreate(savedInstanceState : Bundle) : void
-setUpActivity() : void
-logginIn() : void
-authenticateUser() : void

## RegisterActivity

-TAG : String = "RegisterActivity"
-buttonRegister : Button
-inputName : EditText
-inputGivenName : EditText
-inputUsername : EditText
-inputMail : EditText
-inputPassword : EditText
-inputConfirmPassword : EditText
~regexName : String = "^[a-zA-Z]+( [a-zA-Z]+)*$"
~regexUsername : String = "^[a-zA-Z0-9]+( [a-zA-Z0-9]+)*$"
~regexMail : String = "[a-zA-Z0-9_.%-]+@[a-zA-Z0-9.-]+.[a-zA-Z]{2,4}"
~regexPassword : String = "^(?=.*?[A-Z])(?=.*?[a-z])(?=.*?[0-9])(?=.*?[#?!@$ %^&*-]).{8,}$"

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#onCreate(savedInstanceState : Bundle) : void
-setUpActivity() : void
-checkData(inputName : EditText, inputGivenName : EditText, inputUsername : EditText, inputMail : EditText, inputPassword : EditText, confirmPassword : EditText) : boolean
-checkName(editText : EditText, regex : String) : boolean
-checkPassword(password : String, confirmPassword : String) : boolean
-setUpRegister() : void
-registerUser() : void

## ProfileActivity

-TAG : String = "ProfileActivity"
-tabLayout : TabLayout
-viewPager2 : ViewPager2
-usernameProfilo : TextView
-emailProfilo : TextView
-user : User

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#onCreate(savedInstanceState : Bundle) : void
-setUpActivityUI() : void
-setUpActivity(controllerAccount : ControllerAccount) : void

## SeeMapActivity

-TAG : String = "SeeMapActivity"
~mapView : MapView
~button : Button
~title : TextView
~mapUtils : MapUtils
~naPath : NaPath

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#onCreate(savedInstanceState : Bundle) : void
-setUpMapUI() : void

## AddPathGPXActivity

-TAG : String = "AddPathWithGPXActivity"
-spinnerDifficulties : Spinner
-confirmButton : Button
-cancelButton : Button
-descriptionEditText : EditText
-disabledAccessibilitySwitch : Switch
-durationEditText : EditText
-nameEditText : EditText
-uriGPX : Uri

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#onCreate(savedInstanceState : Bundle) : void
-createPath() : void
-checkInput() : boolean
-InsertPath(name : String, userEmail : String, difficulties : String, duration : int, disableAccessibility : boolean, description : String) : void

## AddSightByExternalUserActivity

-cancel : Button
-next : Button
-map : MapView
-emailUser : String
-controllerAddPath : ControllerAddPath
-sights : Sights = new ArrayList<>()
-naPath : NaPath

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#onCreate(savedInstanceState : Bundle) : void
-setupUI() : void
-enableInsertPointOfInterest() : void
-addPointOfInterest(p : GeoPoint) : void
+sendInput(namePointOfInterest : String, typologyPointOfInterest : String, point : GeoPoint) : void
-typologyAdapter(typologyPointOfInterest : String) : SightTypeEnum

## AddSightActivity

-REQUEST_CODE : int = 0
-TAG : String = "addPointOfInterestActivity"
-map : MapView
-emailUser : String
-buttonNext : Button
-buttonCancel : Button
-markers : ArrayList<Marker> = new ArrayList<>()
-controllerAddPath : ControllerAddPath
-napath : NaPath
-sights : Sights = new ArrayList<>()

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#onCreate(savedInstanceState : Bundle) : void
+onCreateView(name : String, context : Context, attrs : AttributeSet) : View
-enableInsertPointOfInterest() : void
-addPointOfInterest(p : GeoPoint) : void
-typologyAdapter(typologyPointOfInterest : String) : SightTypeEnum
+sendInput(namePointOfInterest : String, typologyPointOfInterest : String, point : GeoPoint) : void

## CompilationPathsActivity

~recyclerView : RecyclerView
~title : TextView
~compilation : Compilation

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#onCreate(savedInstanceState : Bundle) : void
+setUpActivity() : void

## WelcomeActivity

-TAG : String = "WelcomeActivity"
-mFirebaseAnalytics : FirebaseAnalytics

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#onCreate(savedInstanceState : Bundle) : void