

Activity_Login

-username : TextField
-password : TextField
-login : Button
-register : Button
-workOffline : Button

+toRegisterActivity(View v) : void
+toMainMenu(View v) : void
+getPageData(View v) : void
+checkLoginDetails() : boolean

Activity_MainMenu

- smallButtons : ButtonContainer
- largeButtons : ButtonContainer
-recordingQueue : RecordingsQueue

+toRecordings(View v) : void
+toPlantSpecies(View v) : void
+toEditRecordings(View v) : void
+logout(View v) : void

Activity_Register

-username : TextField
-password : TextField
-confirmPassword : TextField
-creatAccount : Button

+createAccount(View v) : void
+toMainMenu(View v) : void
+getPageData(View v) : void
+checkIfAccountExists() : boolean
+checkIfPasswordsMatch() : boolean

Activity_Settings

-GPS : Slider
-sendPrompt : Slider
-WiFi : RadioButtons
-savePhotoToDevice : Slider

+getData(View v) : void
+updateSessionSettings() : boolean
+toMainMenu(View v) : void

Activity_PlantSpecies

-commonName : TextField
-latinName : TextField
-addSpecies : Button

+getData(View v) : void
+toMainMenu(View v) : void

Activity_Recordings

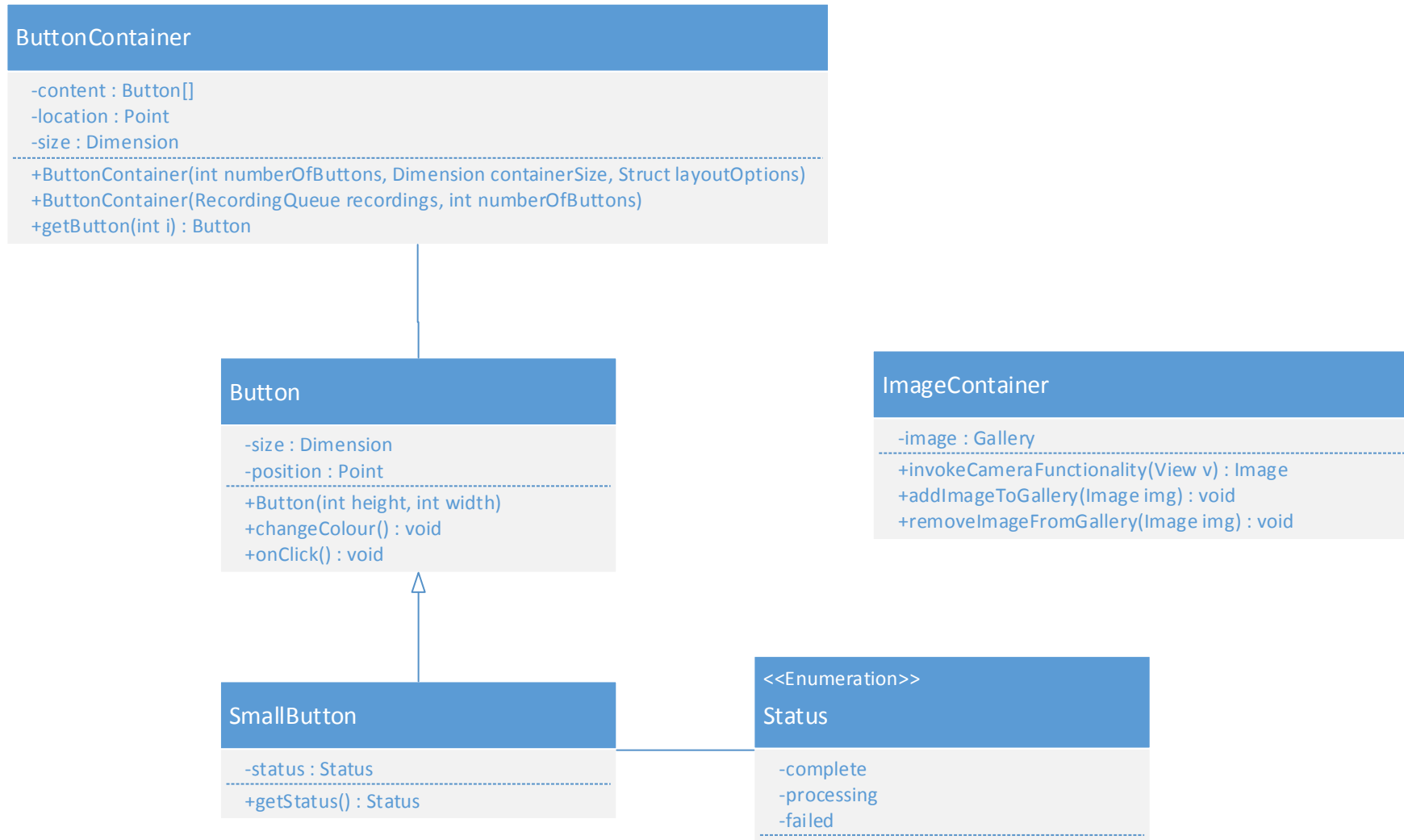
-imageContainer : ImageContainer
-name : TextField
-reserve : TextField
-plant : TextField
-longitude : TextField
-latitude : TextField
-notes : TextArea

+toPlantSpecies(View v) : void
+toMainMenu(View v) : void
+getPageData(View v) : void
+getData(View v) : void
+getDate() :
+constructRecording() : Recording

Activity_EditRecordings

-record : Recording
-edit : Button
-delete : Button
-reset : Button

+editRecording(Recording r) : void
+fillList() : String[]
-getRecording(String uid) : Recording



FormatChecker

```
-validAbundance : char[]  
-validLatitudeMax : int  
-validLatitudeMin : int  
-validLongitudeMax : int  
-validLongitudeMin : int  
-validPhoneLength : int  
-----  
+checkAbundance(String abundance) : char  
+checkPhoneNumber(String number) : int  
+checkLatitude(int latitude) : int  
+checkLongitude(int longitude) : int
```

LogonChecker

```
-----  
+checkLogin(String uid, String password) : boolean
```

ConnectivityChecker

```
-----  
+checkWifi() : boolean  
+checkGPS() : boolean
```

DB_Connection

```
+getData(String sqlStatment) : Object[]  
+uploadRecordingsInQueue(RecordingQueue recordings) : boolean  
+uploadNewSpecies(Species newSpecies) : boolean  
+downloadSpecies() : boolean
```

DB_Local

```
-species : Object[]  
-reserves : Object[]  
+getSpecies() : Object[]  
+getCertainSpecies(String sqlStatement) : Object[]
```

DB_Sync

```
-memberName
```

exceptions

ExistingAccountException

+ExistingAccountException(String error)

IncorrectFormatException

+IncorrectFormatException(String error)

LogonException

+LogonException(String error)

DatabaseConnectionException

+DatabaseConnectionException(String error)

UploadFailureException

+UploadFailureException(String error)

NoSearchResultsException

+NoSearchResultsException(String error)

Settings

```
-useGPS : boolean
-promptToSend : boolean
-sendOnWiFiOnly : boolean
-savePhotoToDevice : boolean
-----
+setUseGPS(boolean gps) : void
+setPromptToSend(boolean pts) : void
+setSendOnWifi(boolean sow) : void
+setSPTD(boolean sptd) : void
+getGPS() : boolean
+getPTS() : boolean
+getSOW() : boolean
+getSPTD() : boolean
```

