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| Requirement | Functions | Code | Requirement Complete% |
| *FR1 Startup of software on Android device* | NewRecord  void addRecordPressed() | record = new SpeciesRecord();  getSpecies();  getDAFOR();  getTypicalLocation();  getInfo(); | 100%  Able to start a new recording |
| *FR2 Providing information about the visit* | UserDataView  String getEnteredPhoneNumber() | String phone = "";  try {  EditText et = (EditText) findViewById(R.id.phone);  phone = et.getText().toString();  } catch (Exception e) {  // failed to get the name string  Toast.makeText(getApplicationContext(),  "Please enter a phone number", Toast.LENGTH\_SHORT).show();  }  return phone; | 60%  Missing Date and Time information collection |
|  | UserDataView  String getEnteredName() | String name = "";    try {  EditText et = (EditText) findViewById(R.id.name);  name = et.getText().toString();  } catch (Exception e) {  // failed to get the name string  Toast.makeText(getApplicationContext(), "Please enter a name",  Toast.LENGTH\_SHORT).show();  }  return name; |  |
|  | UserDataView  String getEnteredEmail() | String email = "";  try {  EditText et = (EditText) findViewById(R.id.email);  email = et.getText().toString();  } catch (Exception e) {  // failed to get the name string  Toast.makeText(getApplicationContext(),  "Please enter a valid email address", Toast.LENGTH\_SHORT).show();  }  return email; |  |
|  | UserDataView  void pressButton() | String n = getEnteredName();  String ph = getEnteredPhoneNumber();  String e = getEnteredEmail();  Editor editor = sharedpreferences.edit();  editor.putString(Name, n);  editor.putString(Phone, ph);  editor.putString(Email, e);  editor.commit(); |  |
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| *FR3 Adding a species to the recording* |  |  | 0%  Still finding a solution to show the list of species |
| *FR4 Adding species details* | NewRecord  void getSpecies() | et = (EditText) findViewById(R.id.speciesName);  record.setSpeciesName(et.getText().toString()); | 50%  GPS not complete  Photo function not tested |
|  | SpeciesRecord  File getSpeciesImage() | return speciesImage; |  |
|  | SpeciesRecord  String getTypLocation() | return typLocation; |  |
|  | NewRecord  void getDAFOR() | Spinner spinner = (Spinner) findViewById(R.id.dafor\_spinner);  record.setDafor(spinner.getSelectedItem().toString().charAt(0)); |  |
|  | NewRecord  void getTypicalLocation() | et = (EditText) findViewById(R.id.typLocation);  record.setComments(et.getText().toString()); |  |
|  | NewRecord  void getInfo() | et = (EditText) findViewById(R.id.info);  record.setComments(et.getText().toString()); |  |
|  | NewRecord  void getGalleryImage(String type) | Intent intent = new Intent(Intent.ACTION\_PICK,  android.provider.MediaStore.Images.Media.EXTERNAL\_CONTENT\_URI);  startActivityForResult(intent, 2); |  |
|  | NewRecord  void getCameraPhoto(String type) | Intent intent = new Intent(MediaStore.ACTION\_IMAGE\_CAPTURE);  File f = new File(android.os.Environment.getExternalStorageDirectory(),  "temp.jpg");  intent.putExtra(MediaStore.EXTRA\_OUTPUT, Uri.fromFile(f));  startActivityForResult(intent, 1); |  |
|  | SpeciesRecord  public String getSpeciesName() | return speciesName; |  |
|  | SpeciesRecord  File getLocationImage() | return locationImage; |  |
|  | SpeciesRecord  getComments() | return comments; |  |
|  | SpeciesRecord  getDafor() | return dafor; |  |
| *FR5 Editing the recording* | SpeciesRecord  setDafor(char dafor) | this.dafor = dafor; | 33%  Missing:  deletion of the whole recording  deletion of the record for one species |
|  | SpeciesRecord  void setComments(String comments) | this.comments = comments; |  |
|  | SpeciesRecord  public void setSpeciesName(String speciesName) | this.speciesName = speciesName; |  |
|  | SpeciesRecord  void setTypLocation(String typLocation) | this.typLocation = typLocation; |  |
|  | SpeciesRecord  void setLocationImage(File locationImage) | this.locationImage = locationImage; |  |
|  | SpeciesRecord  void setSpeciesImage(File speciesImage) | this.speciesImage = speciesImage; |  |
| FR6 sending record to server | / | / | 50%  We tested connection between the data base and the app but have not implement to it yet |

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| Document History |  |  |  |
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| Version | Date | Changes made | Changed by |
| 1.0 | 21/01/15 | First version created | yta |
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