

## A. GENERAL INFORMATION

### 1.1 System Overview & Requirement

- A software system based on the Windows Platform.
- A database built using JavaFX.
- System name or title: Animal Population Forecast
- System code: Java
- System category:
  - *Major application:* performs clearly defined functions based on the result from a well-established mathematical model.
  - *General support system:* provides general support for a variety of data.
- Operational status: (moment of writing)
  - Mostly Operational
  - Under development

### 1.2 Authorized Use Permission

Project Group 3 provides you with access to a variety of documentation and other product information (collectively the “Documentation”), software, including source code (collectively “Software”), and Application Program Interface information (“APIs”). The Documentation, Software, and APIs (including any updates, enhancements, new features, and/or the addition of any new properties, are subject to the following Terms of Use ("TOU"), unless we have provided those items to you under more specific terms, in which case, those more specific terms will apply to the relevant item. Project Group 3 reserves the right to update the TOU at any time without notice to you. The most current version of the TOU can be obtained by contacting the Project Group 3.

### 1.3 Points of Contact

#### 1.3.1 Information & Help Desk

For Generation or more technical inquiries, we can be reached through the following email address: [Sharog@gmail.com](mailto:Sharog@gmail.com) or [607759@student.inholland.nl](mailto:607759@student.inholland.nl)

#### 1.3.2 Organization of the Project Group 3

Project Group 3 consist of one Project leader, one Secretary and two group members.

## 1.4 Organization of the Manual

User's Manual v1.01.

## 1.5 Acronyms and Abbreviations

Provide a list of the acronyms and abbreviations used in this document and the meaning of each.

JavaFX: A graphical user interface app based in java.  
Pop: population of a type of animal.

## B. SYSTEM SUMMARY

*This section provides a general overview of the system written in non-technical terminology. The summary should outline the uses of the system in supporting the activities of the user and admin.*

### 2.1 System Configuration

Animal Population Forecast features a general browser interface and a variety of statistical analysis options. It further supports any data import and export in Microsoft Excel format (\*.xlsx),

### 2.2 Data Flows

Users may input data by using the predefined Add/Edit/Delete functions or import existing dataset directly. Any additional data or changes in data requires the user to confirm the changes before they are committed to the worksheet. The result of the simulation and any alteration to the data will only be saved if the user chooses to do so.

## C. INSTALLATION GUIDE

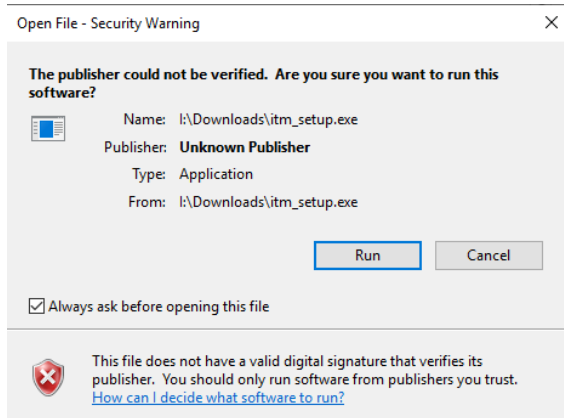
*This section provides a general walkthrough of installation of the application. The installation is broken down into few easy to follow steps.*

### 3.1 Obtaining the file

Please download the file (APF.rar).

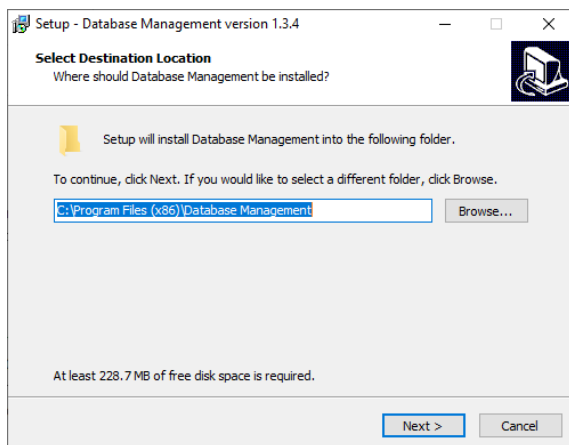
### 3.2 Locate and install the setup file

Browse towards the downloaded file and double click to install. Click on Run or Yes if any windows file warning appears.

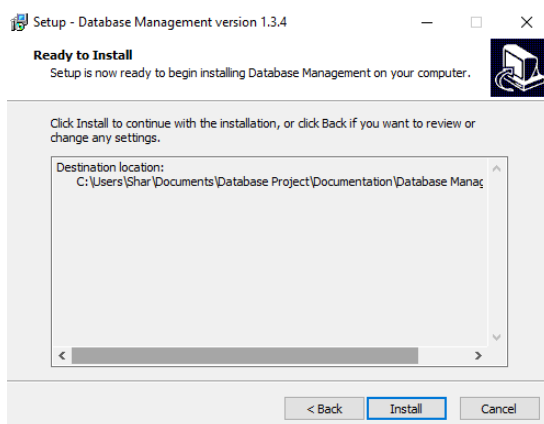


### 3.3 Installing the program

Step 1: Choose an install location:



Step 2: Follow the instructions and finally click install:



### 3.4 Access the file

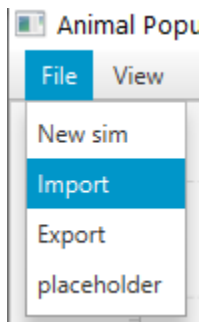
Browse towards the Open the folder Ecology Forecast and double click on APF.exe to start the program.

## D. GETTING STARTED

*This section provides a general walkthrough of the system from initiation through exit. The logical arrangement of the information shall enable the functional personnel to understand the sequence and flow of the system.*

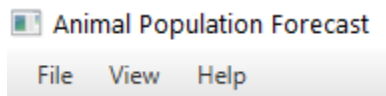
### 4.1 Obtain Data

A user should provide data to the program before starting the simulation, a pre-generated starting dataset is provided in the folder Eco Data and can be imported at any time.



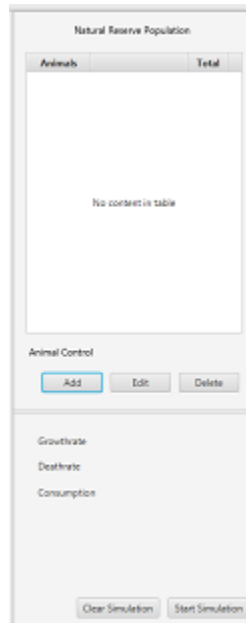
### 4.2 Explorer Interface

Click on any tab on top of the window to import/export the data set or switch between different analytical interfaces.



## 4.3 Running the simulation

1. Load up the animal population either through manually entered values or import from existing files.
2. Select the length of the periode for the simulation.
3. Click Start Simulation to start.



## 4.4 Exit System

Click the cross on the top right corner of the explorer menu.