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| Nombre o identificador | R1: Create a wetland | | |
| Resumen | This functional requirement must allow the user to enter new wetlands to the program. | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| wetlandName | String |  |
| locationZone | String |  |
| locationType | String |  |
| kmAmount | double |  |
| wetlandPicture | String |  |
| protectedArea | String |  |
| Actividades generales necesarias para obtener los resultados | 1. The user choose the option of creating a new wetland. 2. The user types the name of the wetland. 3. The user enter if the wetland is in a rural or urban área. 4. The user enters if the wetland is private or public. 5. The user enters the km2 that covered by the wetland. 6. The user paste the URL of a picture of the wetland 7. The user indicates the program if the wetland is protected or not. | | |
| Resultado o postcondición | The wetland was successfully registered. | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| wetlandName | String | Only if the user asked to get the wetland info |
|  | locationZone | String | Only if the user asked to get the wetland info |
|  | locationType | String | Only if the user asked to get the wetland info |
|  | kmAmount | double | Only if the user asked to get the wetland info |
|  | wetlandPicture | String | Only if the user asked to get the wetland info |
|  | protectedArea | String | Only if the user asked to get the wetland info |

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| Nombre o identificador | R2: créate a new species | | |
| Resumen | This functional requirement must allow the user to enter new species to the wetland. | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| wetlandID | String |  |
| faunaOrFLora | String |  |
| speciesName | String |  |
| scientificName | String |  |
| migratorySpecies | String |  |
| speciesType | int |  |
| Actividades generales necesarias para obtener los resultados | 1. The user need to have a wetland already created. 2. The user choose the option of creating a new species. 3. The user choose the wetland in which the species will be added. 4. The user types if the species is a fauna or flora. 5. The user enters the name of the species. 6. The user enters the scientific name of the species. 7. The user enters if the species is migratory or not. 8. The species choose the type of the species. | | |
| Resultado o postcondición | Th especies was successfully registered. | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| faunaOrFLora | String | Only if the user asked to get the wetland or species info |
|  | speciesName | String | Only if the user asked to get the wetland or species info |
|  | scientificName | String | Only if the user asked to get the wetland or species info |
|  | migratorySpecies | String | Only if the user asked to get the wetland or species info |
|  | speciesType | int | Only if the user asked to get the wetland or species info |
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| --- | --- | --- | --- |
| Nombre o identificador | R3: Create a new event | | |
| Resumen | This functional requirement must allow the user to enter new event to the program and wetland. | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| wetlandID | String |  |
| eventType | String |  |
| date | int |  |
| eventOwner | String |  |
| eventValue | double |  |
| eventDescription | String |  |
| Actividades generales necesarias para obtener los resultados | 1. The user needs to have a wetland already created. 2. The user choose the option of creating an event. 3. The user choose the wetland to assign the event. 4. The user enters the type of the event. 5. The user enters the date in which the event will take place. 6. The user types the owner of the evento. 7. The user types the cost that the evento will have. 8. The user enters a description for the event. | | |
| Resultado o postcondición | The event was successfully registered. | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| eventType | String | Only if the user asked to get the event info |
|  | date | int | Only if the user asked to get the event info |
|  | eventOwner | String | Only if the user asked to get the event info |
|  | eventValue | double | Only if the user asked to get the event info |
|  | eventDescription | String | Only if the user asked to get the event info |
|  |  |  |  |

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| --- | --- | --- | --- |
| Nombre o identificador | R4: Show wetlands events per year | | |
| Resumen | The program must show all the events that were registered | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
|  |  |  |
| Actividades generales necesarias para obtener los resultados | 1. The user choose the option of showing the yearly events per wetland info. | | |
| Resultado o postcondición | Yearly events per wetland: | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| eventType | String |  |
|  | date | int |  |
|  | eventOwner | String |  |
|  | eventValue | double |  |
|  | eventDescription | String |  |
|  |  |  |  |

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| --- | --- | --- | --- |
| Nombre o identificador | R5: Show wetland with les flora species | | |
| Resumen | The program must show to the user the wetlands with les flora species | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
|  |  |  |
| Actividades generales necesarias para obtener los resultados | 1. The user choose the option of show wetlands with fewer species. | | |
| Resultado o postcondición | The wetland with less species is: | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| wetlands[i].getName | String |  |

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| --- | --- | --- | --- |
| Nombre o identificador | R7: Show wetland information, including the total of species per type. | | |
| Resumen | The program most be able of showing the user the wetlands information and the species that the wetland have. | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
|  |  |  |
| Actividades generales necesarias para obtener los resultados | 1. The user choose the option get wetlands info. | | |
| Resultado o postcondición |  | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| wetlandName | String |  |
|  | locationZone | String |  |
|  | locationType | String |  |
|  | kmAmount | double |  |
|  | wetlandPicture | String |  |
|  | protectedArea | String |  |
|  | faunaOrFLora | String |  |
|  | speciesName | String |  |
|  | scientificName | String |  |
|  | migratorySpecies | String |  |
|  | speciesType | int |  |

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| Nombre o identificador | R8: Show wetland with more fauna species | | |
| Resumen | The program must show the wetland with more animal species to the user. | | |
| Entradas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
|  |  |  |
| Actividades generales necesarias para obtener los resultados | 1. The user choose the option of show wetland with more species. | | |
| Resultado o postcondición | WetlandName have (species number) species. | | |
| Salidas | Nombre entrada | Tipo de dato | Condición de selección o repetición |
| Wetlands[i].getName | String |  |
|  | countMoreSpecies | int |  |