| **Functional requirement** | **Class name** | **Method name** | **Function** |
| --- | --- | --- | --- |
| R1:  Register a new wetland | Main | createWetland() | *order the inputs* |
| Dagma | firstNullSpace() | *finds null space* |
| addWetland() | *add the wetland in array* |
| Wetland | setPlan() | *add information* |
| Wetland | Wetland() | *constructor* |
| R2:  Record a new species in a wetland | Main | createSpecie() | *order the inputs* |
| Dagma | firstNullSpaceSpecies() | *finds null space* |
| addSpecie() | *add the specie in an array* |
| addSpecieToWetland() | *add the specie in an array in wetland and vice versa with the information* |
| Specie | Specie() | *constructor* |
| getName() | *return the name* |
| addWetlandToSpecie() | *add the wetland in array in specie class* |
| firstNullSpace() | *find null space* |
| Wetland | getName() | *return name* |
| addSpeciesWetland() | *add the specie in the array in wetland class* |
| firstNullSpace() | *find null space* |
| Wetland() | *constructor* |
| R3:  Record an event in a wetland. | Main | registerEvent() | *order the inputs* |
| Dagma | firstNullSpaceEvent() | *find null space* |
| addEvent | *add the event in the array of wetlands with the information* |
| Wetland | getName() | *return name* |
| firstNullSpaceEvent() | *find null space* |
| addEventWetland() | *add the event in the array* |
| Event() | *constructor* |
| R4:  Report the amount of maintenance that a wetland has had | Main | consultNumMaintenanceInWetland() | *order the name of the wetland* |
| Dagma | consultNumMaintenance() | *find the wetland and show the num of maintenances* |
| Wetland | getName() | *return name* |
| countMaintenance() | *count the num of maintenances* |
| getCounterMaintenance() | *return the num of maintenance* |
| R5:  Show the wetland with the less num of flora | Main | wetlandWithLessFloraConsult() | *call the method* |
| Dagma | wetlandWithLessFlora() | *calculated the wetland with the less flora* |
| Wetland | countFlora() | *count the num of flora* |
| getName() | *return name* |
| Species | getType() | *return the type* |
| R6:  Show the wetlands in which a species is found given its name. | Main | wetlandsSpecies() | *order the inputs* |
| Dagma | wetlandsOfSpecie() | *find the specie and the wetland an printed* |
| printTheSpecies() | *print the species* |
| Species | getName() | *return name* |
| printWetlandsSpecie() | *print the wetlands of the specie* |
| Wetland | getName() | *return name* |
| R7:  Show the information of all the wetlands register excluding event information | Main | printAllWetland() | *call the method* |
| Dagma | printAllTheWetland() | *print the wetlands in the array* |
| Wetland | toString() | *to string of wetland* |
| R8:  Show the wetland with more animals | Main | wetlandMoreFauna() | call the method |
| Dagma | wetlandWithMoreFauna() | calculated the wetland with more fauna |
| Wetland | counterFauna() | count the fauna |
| getName() | return name |
| Specie | getType() | return type |