USE cases for the project “small data” (to be amended)

Draft

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Actors:

Visitor: casual visitor of the site, not registered

Inputter: visitor that has registered and logged in

Validator: inputter that has been endorsed by the administrator

Administrator:

Registration use case

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| Use case | Registration |
| Objective | To register into the system and to be able to use the functionality of the system that are restricted (i.e. creation of species of occurrence and editing |
| Actor | Website visitor |
| Trigger/precondition | Access to the home page of the website |
| Flow of events | 1. The visitor accesses to the registration page 2. The visitor fill the required fields of the registration form 3. The visitor submit the form 4. The form is validated by the system |
| Alternative flow | At 1. The visitor decides to not register and keeps navigating on the unrestricted areas of the website (list of species, list of occurrences).  At 4. The form is not validated. Apart from string restriction for which errors appear before submission, the reason would be that the username (or email) is already in use. |
| Post condition | The user can log in and become an validator. |

Login use case

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| Use case | Login |
| Objective | Login into the system |
| Actor | User (“Inputter”, “Validator”, “Administrator”) |
| Trigger/precondition | Access to the home page of the website |
| Flow of events | 1. The user press “login” 2. The login form appears 3. The user type his username/email and password 4. The user submit the form 5. The user is logged in |
| Alternative flow | At 4. The login is refused, an error message appears |
| Post condition | The user can access restricted areas of the website (according to its status) |

Browsing species occurrence

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| Use case | Browsing species occurrences lists |
| Objective | Visualizing a list of occurrences for every species in the system |
| Actor | User (“Visitor”, “Inputter”, “Validator”, “Administrator”) |
| Trigger/precondition | Access to the website home page |
| Flow of events | 1. Through the menu, the user accesses to particular species ( listing…narrowed down by taxonomical category) or directly through a search form. 2. When a particular species is chosen, a list of all records in the database for that species is presented. 3. A distribution map containing all these records (according to their geographical coordinates) is displayed. |
| Alternative flow | At 2, it is possible that a species present in the database has no records, therefore. |
| Post condition | The user (except if is only a visitor) has the possibility to create a new record (alternative and main flow) or edit a record for that species (main flow). |

Create a new species occurrence

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| Use case | Create a new species occurrence |
| Objective | Insert a new geographical record for a given species into the database |
| Actor | User: Inputter or validator (or administrator) |
| Trigger/precondition | * Use case “browsing species occurrences”: on the web page listing of occurrences for a given species * Use case “login”: the user is logged in |
| Flow of events | 1. The user choses the “create occurrence” option 2. A form appears with different fields 3. The user fills the geographical coordinates (in decimal latitude and longitude) (data are required) 4. The user fills the date of record (with the possibility of year only?)(required) and other fields (optional) 5. The user submit the form 6. The user is automatically redirected to the list of (valid) occurrences of the species, with the new record added (non valid yet), as well as the updated map displayed. |
| Alternative flow | At 4. The user can chose the coordinates from an interactive maps  At 4. The user is proposed to have an automatic conversion of different system of geographical coordinates (e.g. deg, min, sec) into decimal. |
| Post condition | The user is on the list of occurrences for the species, still logged in. |

Validate an occurrence

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| Use case | Validate an occurrence |
| Objective | Validate species record occurrences |
| Actor | User: validator (for restricted categories of taxa) or administrator (no restrictions?) |
| Trigger/precondition | Listing of all the new species occurrences (with boolean false for the validation column) |
| Flow of events | 1. The record is valid 2. Validating the species occurrence (setting the Boolean to true) |
| Alternative flow | If at 1, the record is considered doubtful, there is no action yet.  If at 1, the record needs to be amended: use case “edit occurrence” |
| Post condition |  |

Edit an occurrence

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| Use case | Edit an occurrence |
| Objective | Modify fields of the database for a specified occurrence |
| Actor | User: inputter (if author of the field) or validator (for certain categories of taxa) or administrator (no restriction?) |
| Trigger/precondition | * Use case “browsing species occurrences”: on the web page listing of occurrences for a given species * Use case “login”: the user is logged in |
| Flow of events | 1. The user chooses the “edit occurrence” option available next to the specified record on the occurrence list. 2. The user is redirected to a prefilled form (data issued by the database for the occurrence). 3. The user makes ad hoc amendments to the fields 4. The user is automatically redirected to the list of occurrences of the species, with the record amended, as well as the distribution map displayed. |
| Alternative flow | At 3, the user can modify the coordinates from an interactive maps (by dragging the marker). |
| Post condition | The user is on the list of occurrences for the species, still logged in. |

Upgrading user from inputter to validator

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| Use case | Upgrade an inputter to an validator |
| Objective | The user rights will be upgraded to allow annotations and validation in occurrence records from other users |
| Actor | Administrator ( |
| Trigger/precondition |  |
| Flow of events |  |
| Alternative flow |  |
| Post condition |  |