**Use Case**:Adding tree in HATS (Hatfield Apple Tree Suppliers)

**Actors**: HATS Admin

**Goal**: To add a new tree available for order

**Precondition**: Database must be online and fully functional to enable new data inputs.

**Summary**: A new tree variety will be added to the current HATS database which will be available for purchase.

**Related use cases**: Changing Price and Customer order

**Steps** - **main flow**:

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| **Actor action:** | **System Response:** |
| Admin starts up Pc or other device that has connection to the HATS Database. |  |
| Admin connects to Database through unique administration details. | System recognizes admin details and once accepted grants admin privileges to user. |
| Now connected, the admin can proceed to update the database with new information in the relevant areas. In this case a new Tree variety. | System allows data to be edited and changed due to admin rights.  Will also make sure nothing is imputed incorrectly causing a disruption to database storage. |
| Admin will then check all data inputted in correct and up to date and will then procced to save changes once accepted by the system. | Once data has been saved the database will then be updated that can be viewed by the customers and other non admin users. |
| Done with updating the database admin will either log off or continue with other tasks. | System will either log off admin or continues with connection if needed. |

**Steps** - **exceptional flow**.

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| **Actor action:** | **System Response:** |
| Admin attempts to log onto database but either forgot details or device does not have connection to database. | System is unaffected, but no progress made. |
| While updating the Database the admin accidently deletes data from another tree’s and saves. | System loses said data, resulting in database being incomplete and causing all kinds of errors in orders. |
| Concurrency issues with data being shared between Database and admins. | Certain information in simultaneous executions of transactions over a shared database can create several data integrity and consistency problems. |
| The information given to the admin to add onto the Database is wrong once added. | System will be fine, but the misinformation will cause problems. |
| New information is just never saved after completion. | System will remain unchanged. But lacking required updates. |