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| --- | --- | --- | --- | --- | --- |
| **Event** | **Trigger** | **Source** | **Use Case** | **Response** | **Destination** |
| ***Account*** |  |  |  |  |  |
| Patient profiling | New patient | Secretary/dentist | Crete new patient’s profile | New patient’s profile | Secretary/dentist |
| Update patient profile | New profile | Secretary/dentist | Update old patient profile | Updated patient profile | Secretary/dentist |
| Check patient profile | Check patient’s history | Secretary/dentist | Display patient’s profile | Show patient’s profile | Secretary/dentist |
| Employee profiling | New employee | Secretary/dentist | Create new employee’s profile | New employee’s profile | Secretary/dentist |
| Update employee profile | New profile | Secretary/dentist | Update old employee profile | Updated employee profile | Secretary/dentist |
| Check employee profile | Check employee’s history | Secretary/dentist | Display employee profile | Show employee profile | Secretary/dentist |
| ***Patient*** |  |  |  |  |  |
| Input patient address | New patient | Secretary/dentist | Create new patient’s address | New patient’s address | Secretary/dentist |
| Update patient address | New patient address | Secretary/dentist | Update old employee address | Updated employee profile | Secretary/dentist |
| Check patient address | Check patient’s address | Secretary/dentist | Display patient address | Show patient address | Secretary/dentist |
| Input patient allergies | Patient with allergies | Secretary/dentist | Create record of a patient’s allergies | New record of patient’s allergies | Secretary/dentist |
| Update patient allergies | New status of patient’s allergies | Secretary/dentist | Update record of patient’s allergies | Updated record of patient’s allergies | Secretary/dentist |
| Check patient allergies | Check patient’s allergies | Secretary/dentist | Display record of patient’s allergies | Show record of patient’s allergies | Secretary/dentist |
| Input medication history | New patient | Secretary/dentist | Create patient’s new medication history | New record of patient’s medication history | Secretary/dentist |
| Update medication history | Patient’s new medication history | Secretary/dentist | Update patient’s medication history | Updated patient’s medication history | Secretary/dentist |
| Check medication history | Check patient’s medication history | Secretary/dentist | Display medication history | Show medication history | Secretary/dentist |
| Input emergency contact person | New patient | Secretary/dentist | Create patient’s emergency contact person | New patient’s emergency contact person | Secretary/dentist |
| Update emergency contact person | New emergency contact person | Secretary/dentist | Update patient’s new emergency contact person | Updated patient’s new emergency contact person | Secretary/dentist |
| Check emergency contact person | Check patient’s emergency contact person | Secretary/dentist | Display patient’s emergency contact person | Show display patient’s emergency contact person | Secretary/dentist |
| Input patient teeth chart | New patient | Secretary/dentist | Create patient’s teeth chart | New patient’s teeth chart | Secretary/dentist |
| Check patient teeth chart | Check patient’s teeth chart | Secretary/dentist | Display teeth chart | Show patient’s teeth chart | Secretary/dentist |
| Update patient teeth chart | New teeth type of patient | Secretary/dentist | Update patient’s teeth chart | Updated patient’s teeth chart | Secretary/dentist |
| ***Employee*** |  |  |  |  |  |
| Input employee position | New employee | Secretary/dentist | Create new employee’s position | New employee’s position | Secretary/dentist |
| Update employee position | New employee’s position | Secretary/dentist | Update employee’s position | Updated employee’s position | Secretary/dentist |
| Check employee position | Check employee’s position | Secretary/dentist | Display employee’s position | Show employee’s position | Secretary/dentist |
| Input employee address | New employee | Secretary/dentist | Create new employee’s address | New employee’s address | Secretary/dentist |
| Update employee address | New employee’s address | Secretary/dentist | Update employee’s address | Updated employee’s address | Secretary/dentist |
| Check employee address | Check employee’s address | Secretary/dentist | Display employee’s address | Show employee’s address | Secretary/dentist |
| Input employee admin account | New employee | dentist | Create new employee’s admin account | New employee’s admin account | Secretary/dentist |
| Assign employee role | New Employee | Dentist | Assign employee role | Give employee job role | Dentist |
| ***Inventory*** |  |  |  |  |  |
| Input new items | New items | Secretary/dentist | Create records of new items | Record of new items | Secretary/dentist |
| Check items | Check items | Secretary/dentist | Display items | Show items | Secretary/dentist |
| Input stock in of inventory | New stocks of items | Secretary/dentist | Add stocks to the item’s records | Updated stocks of items | Secretary/dentist |
| Check stock in history | Check stock in history | Secretary/dentist | Display stock in history | Show stock in history | Secretary/dentist |
| Input stock out of inventory | Lesser stocks or lacking item | Secretary/dentist | Add stock out to item’s records | Updated stocks of items | Secretary/dentist |
| Check stock out history | Check stock history | Secretary/dentist | Display stock out history | Show stock out history | Secretary/dentist |
| Input item category | New item | Secretary/dentist | Create new item category | New item category | Secretary/dentist |
| Update item category | New item | Secretary/dentist | Update list of items in a category | Updated list of items in a category | Secretary/dentist |
| Check item category | Check item category | Secretary/dentist | Display list of items in a category | Show list of items in a category | Secretary/dentist |
| Input item location | New item | Secretary/dentist | Create new item location | New item location | Secretary/dentist |
| Update item location | New item | Secretary/dentist | Update item’s location | Updated item’s location | Secretary/dentist |
| Check item location | Check item location | Secretary/dentist | Display item location | Show item location | Secretary/dentist |
| Put inventory quantity or status | New item | Secretary/dentist | Create new item’s quantity or status | New item’s quantity or status | Secretary/dentist |
| Update inventory quantity or status | Time | Secretary/dentist | Update inventory quantity or status | Updated inventory quantity or status | Secretary/dentist |
| Check inventory quantity or status | Check item’s quantity or status | Secretary/dentist | Display inventory quantity or status | Show inventory quantity or status | Secretary/dentist |
| Input expiration date of perishable items | New perishable item | Secretary/dentist | Create data of perishable item with expiration date | New perishable item with expiration date | Secretary/dentist |
| Check expiration date of perishable items | Check expiration dates | Secretary/dentist | Display expiration dates of perishable items | Show expiration dates of perishable items | Secretary/dentist |
| Disregard expired items | Automatically stockout expired items | Time | Remove the expired items in the inventory | No expired items in the inventory | Database |
| ***Appointments*** |  |  |  |  |  |
| Update daily appointments | New appointment | Secretary/dentist | Update daily appointments | Updated daily appointments | Secretary/dentist |
| Check daily appointments | Check daily appointments | Secretary/dentist | Display daily appointments | Show daily appointments | Secretary/dentist and patient |
| Update scheduled appointments | New future appointment | Secretary/dentist | Update scheduled appointments | Updated scheduled appointments | Secretary/dentist |
| Check scheduled appointments | Check scheduled appointments | Secretary/dentist | Display scheduled appointments | Show scheduled appointments | Secretary/dentist and patient |
| Input walk-in treatments | New walk-in patients | Secretary/dentist | Create record of patient’s walk-in treatment | New record of patient’s walk-in treatment | Secretary/dentist |
| Check walk-in treatments history | Check walk-in treatments history | Secretary/dentist | Display patient’s record of walk-in treatment history | Show patient’s record of walk-in treatment history | Secretary/dentist and patient |
| Input actual appointments | New appointment | Secretary/dentist | Create patient’s new record of appointment | Patient’s new record of appointment | Secretary/dentist |
| Check actual appointments | Check patient’s actual appointments history | Secretary/dentist | Display patient’s actual appointments history | Show patient’s actual appointments history | Secretary/dentist and patient |
| Update available doctors | Availability of doctors | Secretary/dentist | Update availability of doctors | Updated availability of doctors | Secretary/dentist |
| Check available doctors | Check availability of doctors | Secretary/dentist | Display availability of doctors | Show availability of doctors | Secretary/dentist and patient |
| Input prescription | After treatment | Secretary/dentist | Create new prescription | New prescription | Secretary/dentist and patient |
| Check prescription | Check patient’s prescription history | Secretary/dentist | Display prescription history | Show prescription history | Secretary/dentist and patient |
| Record item/tools used | After treatment | Secretary/dentist | Record item/tools used for documentation | Record item/tools used to stock out database | Secretary/dentist |
| ***Finance*** |  |  |  |  |  |
| Input patient’s payment | After treatment | Secretary/dentist | Create record of patient’s new payment | New payment in patient’s record | Secretary/dentist and patient |
| Check patient’s payment | Check patient’s payment history | Secretary/dentist | Display payment history | Show payment history | Secretary/dentist |
| Input expenses | expenses | Secretary/dentist | Create record of expenses | Record of expenses | Secretary/dentist |
| Check daily expenses | Check daily expenses | Secretary/dentist | Display daily expenses | Show daily expenses | Secretary/dentist |
| Input expense details | New expense details | Secretary/dentist | Create new expense details | New expense details | Secretary/dentist |
| Check expense details | Check expense details | Secretary/dentist | Display expense details | Show expense details | Secretary/dentist |
| Input income | New income | Secretary/dentist | Create record of income | Record of income | Secretary/dentist |
| Check daily income | Check daily income | Secretary/dentist | Display daily income | Show daily income | Secretary/dentist |
| Input income details | New income details | Secretary/dentist | Create new income details | New income details | Secretary/dentist |
| Check income details | Check income details | Secretary/dentist | Display income details | Show income details | Secretary/dentist |
| ***Treatments*** |  |  |  |  |  |
| Input treatment name | New treatment | Secretary/dentist | Create new treatment record | New treatment record | Secretary/dentist |
| Update treatment name | Changed treatment | Secretary/dentist | Update treatment | Updated treatment | Secretary/dentist |
| Check treatment name | Check treatment name | Secretary/dentist | Display treatment name | Show treatment name | Secretary/dentist |
| Input treatment price | New treatment | Secretary/dentist | Create new treatment’s price | New treatment’s price | Secretary/dentist |
| Update treatment price | Changed treatment’s price | Secretary/dentist | Update treatment’s price | Updated treatment’s price | Secretary/dentist |
| Check treatment price | Check treatment price | Secretary/dentist | Display treatment’s price | Show treatment’s price | Secretary/dentist |
| Input treatment category | New treatment category | Secretary/dentist | Create new treatment category | New treatment category | Secretary/dentist |
| Update treatment category | Changed treatment category | Secretary/dentist | Update treatment category | Updated treatment category | Secretary/dentist |
| Check treatment category | Check treatment category | Secretary/dentist | Display treatment category | Show treatment category | Secretary/dentist |
| Input treatment status | New treatment | Secretary/dentist | Create new treatment’s status | New treatment’s status | Secretary/dentist |
| Update treatment status | Changed treatment status | Secretary/dentist | Update treatment’s status | Updated treatment’s status | Secretary/dentist |
| Check treatment status | Check treatment status | Secretary/dentist | Display treatment’s status | Show treatment’s status | Secretary/dentist |
| ***Accounts*** |  |  |  |  |  |
| Create admin account | New admin | Dentist | Create new admin account | New admin account | Database |
| View admin account | Check admin account | Dentist | Display admin account | Show admin account details | Dentist |
| Create employee account | New employee | Dentist | Create new employee account | New employee account | Database |
| View employee account | Check employee account | Dentist | Display employee account | Show employee account details | Dentist |
| Disables employee account | An employee left the clinic | Dentist | Lock and hide the employee account | Inactive employee account | Database |