## **General**

* + Database
  + Login
  + Usermanagement
  + Work Schedule
  + Schedule
  + Attendance Control
  + Desk Account
  + Comissions
  + Configurations
  + Payroll

## **Relevant info**

* + mysql-demo pass: secret
  + Function to insert from Excel: ="insert into cuentasTest (id, date, code, Concept, beneficiary, amount, amount2) values ("&A2&", '"&TEXTO(B2;"aaaa-mm-dd")&"', "&C2&","""&D2&""","""&E2&""", "&F2&", "&G2&");"
  + Each row takes around 0,12 s

## **Database**

* + ~~Branches~~
  + ~~WorkingDayTypes~~
  + ~~Opening hours~~
  + ~~JobPositions~~
  + ~~Branches~~
  + PaymentForms
  + Generate databases for Pets, Clients, and so on
  + Checar si los ingresos de las tarjetas cuadran con lo que dice el banco
    - Si cuadran, quizá vale la pena cambiar la estrategia de cálculo
    - Si no cuadran
      * Conservar estrategia
      * Comentarlo a la gente
  + AccountTables
    - Order of implementation now
      * AccountingGroup
      * AccountingClass
      * AccountingConcept
      * Account
      * AccountRegister
      * SaleRegister
      * Payee
      * Supplier
      * Service
      * ServiceJobPosition
      * Commission
    - Glossary
    - commonColumns
    - Investigate about accounts chart and classification, and fixedexpenses and variable
    - fk
    - oneToManymappedBy
    - commonFieldWithDataFromAnotherTAble
    - Pendiente
    - Accounts
      * id
      * openingDate
      * name
      * accountType\_enum(Desk, Cash, Bank, Investment, )
      * formal\_boolean
      * bankName
      * accountNumber
      * branch\_fl
      * balance\_static
    - AccountingRegister
      * id
      * account\_fk
      * date
      * registerConcept\_fk
      * amount
      * payee\_fk
    - Payee
      * Id
    - Supplier
      * Id
      * Name
      * representantiveName
      * accountName
      * accountNumber
      * description
    - SaleRegister
      * id
      * ticketNumber
      * branch\_fk
      * isFormal
      * LocalDateTime
      * cashAmmount
      * creditAmmount
      * totalAmmount
      * seller\_fk (Collaborator)
      * needsInvoice
      * serviceType\_enum(Service, sell)
      * accountRegister\_fk (everysale is an account register)
      * customer\_fk
      * item\_list
      * invoice\_fk
      * commissions\_List
    - Comission (in reality it should be linked to item’product or service’)
      * date
      * ticketNumber(sale Register)
      * discount
      * SaleRegister\_fk
      * Collaborator\_fk
      * Service\_fk
      * Amount
      * Type\_enum(fixed, variable).
      * base\_price
      * commission
    - Group
      * Id
      * Name
      * Description
    - Class
      * Id
      * Group\_fk
      * Name
      * Description
    - registerConcept
      * Id
      * Class\_fk
      * Real\_id, formed by class fk and a fixed id determinedByUser
      * Description
    - Service
      * id
      * Name
      * Type\_enum(fixed, proportion)
      * Price
      * percentageBase(DRA)
      * maxPercentage
    - Services\_JobPositions
      * ~~Id~~
      * service\_fk
      * jobPosition\_fk
      * amount
    - Products
    - Items
      * Id
      * Product\_fk
      * Service\_fk
    - commissions
      * service\_fk
      * collaborator\_fk
      * amount
    - Customer…

## **Schedule**

* + Usuario
  + Accede:
    - Se abre el calendario con formato a siete días que pueda pasar de semana
    - Vista a 12 horas
    - Entrada
      * Médico
        + Nombre
      * Mascota
        + Nombre
      * Cliente
        + Nombre
        + Teléfono
        + Mascotas
      * Agenda
        + Médico
        + Mascota
        + Cliente
        + Sucursal
        + Motivo
        + Fecha
        + Hora
  + Tasks:
    - ~~Agregar cita~~
    - ~~Eliminar~~
    - ~~Actualizar~~
    - ~~Cambiar vista~~
    - ~~Generar diseño de cómo se mostrarán las citas~~
    - ~~addEvent()-addAppointments()~~
    - ~~editEvent()~~
    - ~~addEvent-añadir Comboboxes~~
    - ~~Cambiarcolores dependiendo de la sucursal~~
    - ~~Generar reportes~~
    - ~~Poder seleccionar visibilidad entre sucursales y personas~~
    - ~~Botón cancelar rojo~~
    - ~~Confirmar para borrar~~
    - ~~Hola Javi!!!!!! No te había contestado porque quería verlo en el ordenador, para apreciarlo mejor. Tiene muy buena pinta.. Se me ocurre.. le has puesto algún control para que no deje poner citas en tiempo pasado? O si quieres que se pueda (que un veterinario pueda a posteriori registrar un servicio que se ha hecho)... por lo menos que te saque un aviso por si fuera un error y que el usuario confirme que quiere registrar un servicio pasado? Así se evitaría meter en tiempo pasado un servicio que todavía tiene que hacerse... Tiene muy buena pinta!! 😉~~
    - ~~Add week changer~~
    - ~~Add select today~~
    - ~~Made usable the checkboxes~~
    - Dont grow horizontally
    - Change label sizes
    - Login before adding or editing

## **WorkSchedule**

* + ~~Hacer una vista para imprimir~~
  + ~~Hacer una vista gráfica~~
  + ~~Validaciones y warnings para las celdas~~
  + ~~En save después del warning preguntar si quiere continuar.~~
  + ~~Hacer que se pueda cargar la base de datos desde collaborator view~~
  + ~~Ask before changing view if it wants the data to be saved~~
  + ~~Hacer el REST un gridpane de 2 columnas~~
  + ~~Vista gráfica, hacer que Montejo solo salga dos veces~~
  + ~~Vista gráfica poner colores diferentes según el puesto.~~
  + ~~Revisar muestras, porque hay casos que tienen una hora de más. Por ejemplo JLP el lunes~~
  + ~~Vista Branch. Corregir el problema de que puedas registrar dos veces en el mismo día a una persona.~~
  + ~~Hacer una lista de branchesGridPanes~~
  + ~~Ver por que no se va la gente cuando la cambio por otra~~
  + ~~Change from branchName to branch entity~~
  + ~~Change from workingdaytype to entity~~
  + ~~Validar que la jornada laboral esté en rango~~
  + ~~Cambiar la lista de warnings, en vez de una alerta que sea una lista en tabla.~~
  + ~~Revisar los métodos de validación y en particular porqué no sale como warning cuando cambia de actividad~~
  + ~~Vista gráfica revisar gridLines~~
  + ~~Establecer horas dinámicas~~
  + ~~Validar horas de entrada y de salida~~
  + ~~Dividir validaciones: Remade the validations process~~
  + ~~Diseñar clase para errores~~
  + ~~Hacer tabla de errores~~
  + ~~Hacer estadísticas relevantes.~~
    - ~~Cada día el recepcionista cierra la empresa~~
    - ~~Cada hora tiene un veterinario a o b en Urban/Harbor~~
    - ~~Horas de personal médico que tiene cada día.~~
  + ~~Gráfica reducir tamaño de texto para ajustar~~
  + ~~Poner una semana antes, la semana siguiente y este día~~
  + ~~Cambiar de vista, dependiendo de la persona;~~
  + ~~Change branches as a String~~
  + ~~Acción para deshabilitar botones, en lo que se trabaja.~~
  + ~~Change validation in Branch view~~
  + ~~Change validation in Collaborator view~~
  + ~~Poner como default las horas que correspondan: sacar una lista de openinghours de cada sucursal.~~
  + ~~Una vez obtenido lo anterior, simplicficar las validaciones de openinghours.~~
  + ~~Change combobox of users to <Collaborator>… it’s complicated because of the listener.~~
  + ~~Change combobox of branches to receive a branch type~~
  + ~~Change combobox of workingdaytype to receive a type~~
  + ~~Set default hour just when a collaborator is selected~~
  + ~~Change from LocalTime to LocalDateTime.~~
    - ~~First the registrations~~
    - ~~Then the loading~~
  + ~~Made utilities methods: getOpeningHoursByBranchAndDate to return a list of LocalDateTime~~
  + ~~Collaborator view, when writing it gets exception because of WorkingDayType workingDayType = utilities.getWorkingDayTypeByAbbr(cboWorkingDayType.getSelectionModel().getSelectedItem());~~
  + ~~Graphic WorkSchedule Changes~~
  + Hacer control de vacaciones

## **Attendance Control**

* + ~~Review~~
  + ~~Edit~~
  + ~~Change user~~
  + ~~Edit~~
  + ~~Incidences~~
  + ~~Put css~~
  + ~~Retrieve all workschedules~~
  + ~~ReviewRegisters: Check if registers are complete~~
  + ~~ReviewRegisters: Paint yellow delays~~
  + ~~Avoid crash when a not worker enters~~
  + ~~Enter directly to the register~~
  + ~~Delete the automatic login~~
  + ~~Made an incidence view~~
  + ~~The fortnights date doesn’t match~~
  + ~~Edit from another date~~
  + ~~Forbid to register if is not the day~~
  + ~~Made an option to edit a single workschedule from the Change~~
  + ~~Change buttons if manager or not~~
  + ~~Create incidences add and view~~
  + ~~When trying to change or add a register. The error should say what is wrong. For example when there is no workSchedule~~
  + Arrange methods

## **Payroll**

## **Incident**

* + ~~Incident entity~~
  + ~~Incident DAO~~
  + ~~Incident createNew~~
  + ~~Incident manager~~
  + ~~When coming from a Branch select a branch~~
  + ~~Incident from all the modules~~
  + ~~Indicent button~~

## **Configuration and misc**

* + ~~Generate an openning hours database~~
  + ~~JobPositions~~
  + ~~Branches~~
  + ~~ActivityWorkTypes~~
  + ~~OpeningHours when adding new set an endDate to other~~

## **Giant tasks**

* + Incorporate Spring
  + Made a web versión
  + Made an app
  + Create a javadoc

## **General tasks**

* + ~~Make bigger the loading window~~
  + ~~Do it in Maven~~
  + ~~Make a Google Cloud DataBase~~
  + ~~Reestablecer Hibernate~~
  + ~~Change all the mappings~~
  + ~~Change all the id from int to Integer and the getters and setters~~
  + ~~Add and remove methods for all onetoomany~~
  + ~~Change equals for all ManyTooOne~~
  + ~~Make a logger~~
  + ~~Mapa ll the 1-1 and correct hibernate~~
  + ~~Made a list of all databases and test times:~~
    - ~~Appointment~~
    - ~~AttendanceRegister~~
    - ~~Branch~~
    - ~~Collaborator~~
    - ~~JobPosition~~
    - ~~OpeningHours~~
    - ~~User~~
    - ~~WorkingDayType~~
    - ~~WorkSchedule~~
  + ~~Increase Hibernate performance~~
    - ~~Check eager and lazy loading~~
  + ~~Load all the databases simultaneously when opening the program~~
  + ~~Upload big data in to a database from Excel~~
  + ~~Test downloading the big data into database~~
  + ~~Made a folder with all the requirements, that made visible the images from another folder.~~
  + ~~Change views according to role~~
  + ~~Remove selectedDate from model~~
  + ~~ADD CSS~~
  + ~~Put icons to the buttons~~
  + ~~Register logout when exit~~
  + ~~Change incidences for incidents~~
  + ~~Check all LocalTime and LocalDateTime to be as Mexican time. Maybe change all localtimes to LocalDateTime~~
    - ~~Appointment~~
    - ~~OpeningHours~~
    - ~~WorkSchedule~~
  + ~~When updating a list of dbItems, update the correspondingLists.~~
  + ~~Configuration just when is an admin or manager~~
  + ~~Try just to load the active collaborators at the initialization~~
  + ~~Check utilities loadwindow, interfaz MtInitializable and similar~~
  + a) Vista de colaborador no funciona en WorkSchedule
  + b) en graphic de WorkSchedule en Montejo sale más de dos veces
  + c) Incidents no abre para nada
  + d) Configuration abre, a pesar de no tener permiso
  + Calculate SBC
  + Calculate monthly mínimum income
  + Try lo load images into the web
  + Try to downloadimages from the web
  + Add explaining toolkits
  + Add comments
  + Learn about optionals
  + Select what to open in modal and change
  + Made degreeBonus loaded from database
  + Make functionable all the modules
  + Link attendanceRegister with workSchedule
  + Delete all in Spanish
  + Made it bilingual
  + Try to avoid return null in all methods. Instead return empty objects
  + Order model
  + Order utilities
  + Script of video
    - Intro and login
      * Intro
        + Empresa Mexico
        + Módulos no totalmente desarrollados
        + Está en proceso
        + Algunos módulos en fase beta
        + Tecnologías Java, JafaFX e Hibernate
        + Son 13 tablas.
      * Login
      * Wrong user
      * Wrong pass
      * Change user
    - Configurations
      * Branches
      * Activity types
      * Opening hours
      * Job positions
    - Manage users
      * Enter with a non-admin
      * Enter with an admin
        + Select user
        + Explain fields
        + Explain tooltips
      * Edit
        + Change the interface
        + Change the buttons
        + Refresh: calculate some data, activate imss, active
      * Add new
    - WorkSchedule
      * Enter with a non admin
      * Enter with an admin
        + Add row
        + Delete row
        + Automatic rows
        + When selecting a user it puts as default the opening and closing hour
      * Select date: 4 ways
      * Load database
      * Refresh
      * Validate
      * Show hours by date
      * Show graphic
      * Save into db
      * Generate snapshot
      * Copy from another week
      * Empty this week
      * Create an incident
      * COLLABORATOR VIEW
        + If changes it ask
        + Hour validation
    - Schedule
      * No changes between user, but if is a non logged one, it asks
      * Change dates
      * Create a new appointment
      * Generate snapshot
      * Visibility
      * Add appointment
      * Edit appointment
    - Attendance control
      * Views between roles
      * Explain controls
      * Errors
      * Register
      * Cancel
      * -Change user
      * Review
      * Incident
      * Edit
      * Review incidents
      * Review: the user incidents
      * Review incidents
        + Missing registers
        + Tardies
        + Puntuality bonus
        + Registers missings
        + Registers missing
      * Change incidents
        + Change a register
    - Incidents
      * New incident various starts
      * Fields of the table
      * Edit attendance control
      * Edit work schedule
      * Mark as solved