# Class Diagram

## Phone
- id: int
- memory: string
- color: string
- sim: string
- plateform: string
- weight: string
- model: string
- camera: string
- brand: string
- displaySize: string
- dimensions: string

+ getId()
+ getBrand()
+ setBrand(string brand)
+ getModel()
+ setModel(string model)
+ getPlateform()
+ setPlateform(string plateform)
+ getColor()
+ setColor(string color)
+ getWeight()
+ setWeight(string weight)
+ getDimensions()
+ setDimensions(string dimensions)
+ getSim()
+ setSim(string sim)
+ getDisplaySize()
+ setDisplaySize(string displaySize)
+ getMemory()
+ setMemory(string memory)
+ getCamera()
+ setCamera(string camera)

## User
- id: int
- firstName: string
- lastName: string
- address: string
- mail: string
- phone: string
- client: int

+ getId()
+ getFirstName()
+ setFirstName(string firstName)
+ getLastName()
+ setLastName(string lastName)
+ getMail()
+ setMail(string mail)
+ getAddress()
+ setAddress(string address)
+ getPhone()
+ setPhone(string phone)
+ getClient()
+ setClient(Client client)

## Client
- id: int
- plainPassword: string
- password: string
- email: string
- username: string

+ getId()
+ getUsername()
+ setUsername(string username)
+ getPassword()
+ setPassword(string password)
+ getPlainPassword()
+ setPlainPassword(string password)
+ getEmail()
+ setEmail(string email)
+ getUsers()
+ setUsers(Users)
+ getRoles()
+ getSalt()
+ eraseCredentials()
+ serialize()
+ unserialise(serialize)

## UserInterface

## Serializable

*User* — 1 *Client*

## AbstractRepository
+ paginate(QueryBuilder qb, limit, offset)

## PhoneRepository
+ search(term, order, limit, offset)

## UserRepository
+ search(term, order, limit, offset)

## ClientRepository
+ __constructRegistry(registry)

## PhoneController
+ listAction(paramFetcherInterface paramfetcher)
+ showAction(Phone $phone)

## AbstractHandler
+ validate(ConstraintViolationList validationErrors)

## HashPasswordListener
- passwordEncoder

+ __construct(UserPasswordEncoderInterface passwordEncoder)
+ getSubscribedEvents()
+ prePersist(LifeCycleEventArgs args)
+ encodePassword(Client entity)
+ preUpdate(LifeCycleEventArgs args)

## UserHandler
- entityManager
- tokenStorage

+ __construct(EntityManagerInterface entityManager, TokenStorageInterface tokenStorage)
+ createUser(User user, ConstraintViolationList validationErrors, Request request)
+ updateUser(User user, User newUser, ConstraintViolationList validationErrors)

## FOSRestController
getViewHandler()

## UserController
+ listAction(paramFetcherInterface paramfetcher)
+ showAction(User user)
+ createAction(User user, ConstraintViolationList validationErrors, UserHandler handler)
+ updateAction(User user, User newUser, ConstraintViolationList validationErrors, UserHandler handler)
+ deleteAction(User user)

«use»