AvokTech API Documentation

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Schemas

```
Account:
  id: Id,
  firstName: String,
  lastName: String,
  email: String,              functions as username
  password: String,           the value is hashed for security
  phone: String,
  photo: Object,

  parked: boolean,
  paid: boolean,
  creditCard: String,         specifics TBD during implementation

  lots: Map<Id, String>,      maps a lot id to the corresponding role
  roles: List<String>         list of admin roles

Lot:
  id: Id,
  name: String,
  type: String,               residential vs. parking lot
  address: String,            only contains street address
  location: double[],         (lng, lat) pair

  price: String,              will probably be a number in future
  capacity: int,
  occupied: int,
  reservable: boolean,
  available: boolean,         will be more complex with schedule

  members: List<Id>,          list of member account ids
  history: List<Point>        list of (time, occupied) points
```

Endpoints

Required fields are listed under the endpoint.

```
GET
  /listAccounts                 returns all accounts
  /accountById                  returns account with corresponding id
    id
  /accountByEmail               returns account with corresponding email
    email

  /listLots                     returns all lots
  /lotById                      returns lot with corresponding id
    id
  /lotByAddress                 returns lot with corresponding address
    address
  /searchNear                   returns lots within 1 mile of the location
    longitude
    latitude

POST
  /newAccount                   creates a new account
    firstName
    lastName
    email
    password
  /addRole                      adds an admin role to an account
    id
    role

  /newLot                       creates a new lot
    id
    name
    type
    address
    latitude
    longitude
    price
    capacity
  /entered                      increases the occupancy of the lot by 1
    id
  /exited                       decreases the occupancy of the lot by 1
    id
```

/changeAvailable id	*changes the available status of the lot*
/changeReservable id	*changes the reservable status of the lot*
/addMember id email role	*adds a member to the lot*