Heartbeat

Database Proposal

Michael Macari
Anthony Rusignuolo
Michael Manis

Collections

Profiles

The profile collection will store the user profiles. The users will be able to log in, update their profile, create a ticket or quote, perform a search, and if admin they'll be able to add an office to the Medical Practitioners collection.

```
{
        "_id": "absglasdkglaje324231",
        "email": "xxxxxx@gmail.com",
        "hashedPassword": "$230591969(%#)lgjsdkljg,
        "firstName": "Princess",
        "lastName": "Zelda",
        "isAdmin": "True",
        "insuranceProvider": "delta"
}
```

Name	Type	Description
_id	ObjectId	DB generated ID
email	string	User email address also login
hashedPassword	string	
firstName	string	Users first name
lastName	string	Users last name
isAdmin	bool	If the user is an admin or not, giving ability to add offices to the DB if True
insuranceProvider	string	Who the user's insurance provider is

Medical Practitioner

The Medical Practitioner collection will store information about the practices that we have registered with our service. Administrators are able to add and modify these documents.

```
{
        "_id": "absglasdkglaje324231",
        "location": subdocument{"lat": 0.0000, "long", 0.0000},
        "procedures": subdocument{
                "procA": 0.00,
                "procB": 0.00,
                "procC": 0.00
        },
        "acceptedProviders": ["Delta", "Horizon"]
}
```

Name	Type	Description
_id	ObjectId	DB generated ID
location	object	lat/long of practice
procedures	object	Dictionary of procedures and prices
acceptedProviders	list[string]	List of provider names

Appointments

An Appointment is created after a user has decided to visit a specified Medical Practitioner for a certain procedure. Relevant information about the Appointment is stored and its status is tracked.

- {
    "_id": "absglasdkglaje324231",
    "userId: "wertklh354698effsgoiklj",
    "practitioner": "asfdhgfdh56744567",
    "cost": 0.00,
    "verified": true
}

Name	Type	Description
_id	ObjectId	DB generated Id
userId	ObjectId	User's DB Id
practitioner	ObjectId	MP's DB Id
cost	float	Average cost - MP's price
verified	bool	Whether the visit is complete