PetPar

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1. Introduction to PetPar

PetPar is a web app developed by Node.js, which can provide birthday party services for people's pets. On PetPar, you can find our best ideas for a pet's birthday party, including the products you hope to give to your pet.

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2. How do we develop PetPar?

Node.js: as our backend requirements
Express: handle our server
MongoDB: database to storage and manage data
JavaScript: make the functionality webpages
HTML and CSS: make valid webpages

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3. How to use PetPar?

1. Download the package of the code, open the terminal and switch to the folder where the package is.

2. Run "**npm install**" to install all dependencies.

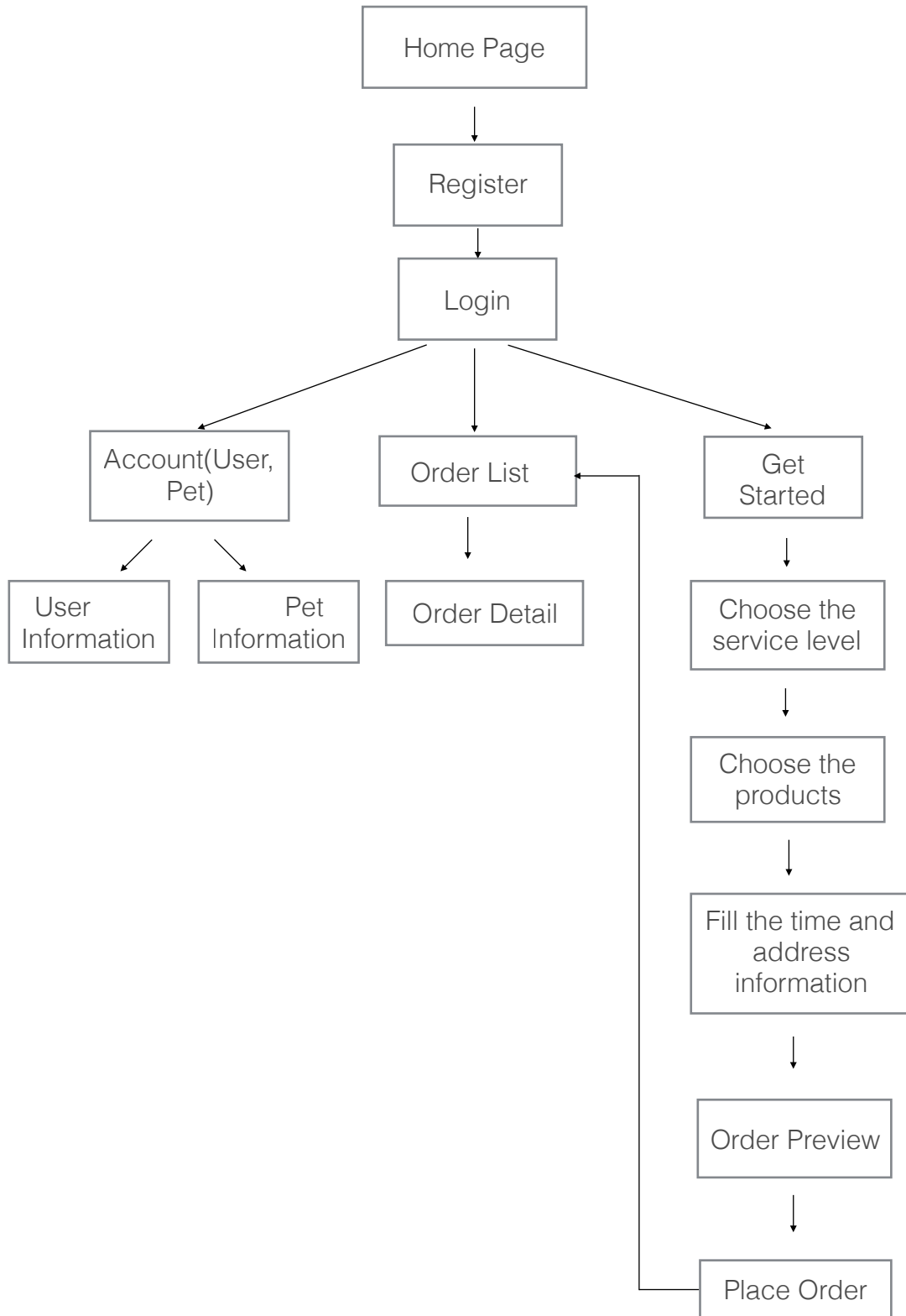2. Run "**node tasks/seed.js**" to make connection to database.

3. Run "**npm start**"
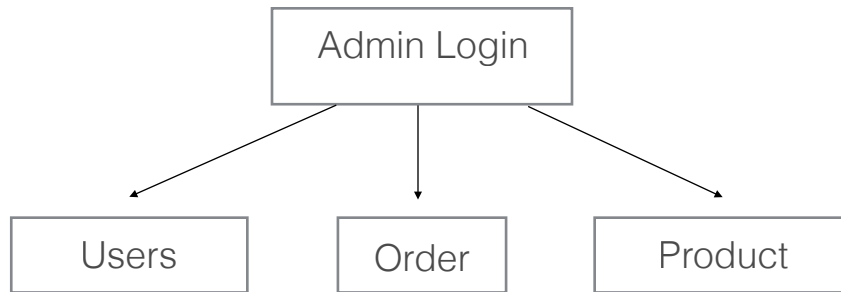After the code successful running, then go to the browser

4. Type in the url "**http://localhost:3000/**", where you can see our PetPar main page.

4. Flow Chart

Users:

```
                        ┌──────────────┐
                        │  Home Page   │
                        └──────────────┘
                               │
                               ▼
                        ┌──────────────┐
                        │   Register   │
                        └──────────────┘
                               │
                               ▼
                        ┌──────────────┐
                        │    Login     │
                        └──────────────┘
              ┌────────────────┼────────────────┐
              ▼                ▼                 ▼
      ┌──────────────┐  ┌──────────────┐  ┌──────────────┐
      │Account(User, │  │  Order List  │  │     Get      │
      │    Pet)      │  │              │  │   Started    │
      └──────────────┘  └──────────────┘  └──────────────┘
         │        │            │                 │
         ▼        ▼            ▼                 ▼
   ┌────────┐ ┌────────┐ ┌──────────────┐  ┌──────────────┐
   │  User  │ │  Pet   │ │ Order Detail │  │  Choose the  │
   │ Inform-│ │ Inform-│ │              │  │ service level│
   │ ation  │ │ ation  │ └──────────────┘  └──────────────┘
   └────────┘ └────────┘                          │
                                                  ▼
                                           ┌──────────────┐
                                           │  Choose the  │
                                           │   products   │
                                           └──────────────┘
                                                  │
                                                  ▼
                                           ┌──────────────┐
                                           │Fill the time │
                                           │ and address  │
                                           │ information  │
                                           └──────────────┘
                                                  │
                                                  ▼
                                           ┌──────────────┐
                                           │ Order Preview│
                                           └──────────────┘
                                                  │
                                                  ▼
                                           ┌──────────────┐
                                           │ Place Order  │
                                           └──────────────┘
```

Admin:

```
        ┌──────────────────┐
        │   Admin Login    │
        └──────────────────┘
           ╱      │      ╲
          ╱       │       ╲
         ▼        ▼        ▼
┌──────────┐ ┌─────────┐ ┌──────────┐
│  Users   │ │  Order  │ │ Product  │
└──────────┘ └─────────┘ └──────────┘
```

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5. Structure

config - mongoCollections.js
         mongoConnection.js

data - index.js(defining all data modules)
       admin.js
       order.js
       user.js

public - css
       - img
       - js

routes(folder with route modules)
       - index.js(defining all routes)
         admin.js
         account.js
         degug.js
         home.js
         login.js
         order.js
         process.js
         register.js

tasks - seed.js(make connection to database)

views - layouts - main.handlebars
        misc   - debug.handlebars

partials - bwizard.handlebars
cart.handlebars
pagecss.handlebars
pagejs.handlebars
topnav.handlebars
account.handlebars
admin.handlebars
adminlogin.handlebars
home.handlebars
login.handlebars
order.handlebars
orderlist.handlebars
price.handlebars
register.handlebars
step1.handlebars
step2.handlebars
step3.handlebars
step4.handlebars

app.js(creates, configures, and runs the server)

package.json

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6. Realized Functions

For users:
1. Users could register or login to their account
2. Users could the service level of the birthday party, we provide three levels.
3. Users could the products of the party, which are themes, cake, gift, and album.
4. After users fill the time and address information, they can place the orders.
5. Users could login their account to check their orders.

For admin:

Admin could login their admin account to manage users, orders and products.