Техническое задание

О проекте

«   » —

.   ,

.

.

1. Описание функциональности

: «   »   «   ».

1.1 Общий контейнер

-
  (   ),   : «Amsterdam —
Geneva — Chamonix».   3- ,
,   :
«Amsterdam — … — Chamonix».

-
  .
  .
  —   .   , «18 AUG —
6 OCT».

-
  /   /   .

-
  «New Event».
  ,
  (   ).

1.2 Маршрут поездки

-
  .   —
  .
  - (Check, Sightseeing, Restaurant)
    (Taxi, Bus, Train, Ship, Transport, Drive   Flight).

- : Taxi, Bus, Train, Ship, Transport, Drive, Flight, Check, Sightseeing, Restaurant.

- .

- : «Click New Event to create your first point».

1.3 Точка маршрута

- .

- «Time»
  ( ).
  « » — « » (10:30 — 11:00).

  :

  - : 00M (23M);

  - : 00H 00M (02H 44M);

  - : 00D 00H 00M (01D 02H 30M).

- «Offers» 3- ,
  .
  .

1.4 Новая точка маршрута

- «New Event».
  .

- «New Event»
  , . .

- :

  - «Save».
    .

- «Cancel».
  .

- :

  - (
    : Taxi, Bus, Train, Ship, Transport, Drive, Flight, Check, Sightseeng, Restaurant.).

  - .   ,
    .   .

  - .

    flatpickr.js.
    : DD/MM/YYYY HH:mm.   : 25/12/2019 16:00.

  - .

    flatpickr.js.
    : DD/MM/YYYY HH:mm.   : 29/12/2019 16:55.
                                    .

  - .   .

  - .

    (offers).

- .

- (   )
  .

- .

- .
  .

- .
  .
  .

- .
  ,
  ,   .

-
  .

-
  (   ).   :

  -
    (`Flight`, `Taxi`   ): `<action> to`.   : `flight to`, `taxi to`   .

  -
    (`Sightseeing`, `Restaurant`, `Check-In`): `<action> in`.   : `sightseeing in`, `check-in in`   .

-
                                                                    «Destination».
                                        (,   ).
                    «Destination»   .

-
                                                                    «Destination»
                        .   «Destination»
                              .
          «Destination»   .

-
                                        (,
).

-
                                                        .

1.5 Редактирование точки маршрута

-
                                    «   »
          .

-
              :

  -
          «Save».   ,   .

  -
          «Delete».   ,   .

- ○ «Favorite» (   ).
   .   ,   —
          .
                                                      .   /
                                                      «Save».

- •   ,
                                              (1.4 «
   »).   .

- •   «Esc»   /   .
                                           .

- •
        /   .

- •   ,
        ,
                              .   /
           .

- •
                                        (,
).

1.6 Фильтры

- •   :

- ○ Everything —   ;

- ○ Future —   ,   ,
                    ,   ;

- ○ Past —   ,
                           ,   .

- •   ,
                              .

1.7 Сортировка

- («Price») («Time»).

: , — .

- ( ) «Event».

1.8 Статистика

- «Stats» , . : «Money» ( ), «Transport» ( ) «Time-spend» ( ).

- «Stats».

- «Money» . : « ?». «Money» , .

- «Transport» , . : « , ».

- : «Time-Spend» . : « , , ».

1.9 Взаимодействие с сервером

- https://htmlacademy-es-10.appspot.com/big-trip/ .

- Authorization Basic ${ }. , Basic er883jdzbdw . .

1.9.1 Ресурсы

Структуры данных:

- Destination:

```
{
  "description": "Chamonix, is a beautiful city, a true asian pearl, with crowded streets.",
  "name": "Chamonix",
  "pictures": [
    {
      "src": "http://picsum.photos/300/200?r=0.0762563005163317",
      "description": "Chamonix parliament building"
    }
  ]
}
```

- Offer:

```
{
  "type": "taxi",
  "offers": [
    {
      "title": "Upgrade to a business class",
      "price": 120
    }, {
      "title": "Choose the radio station",
      "price": 60
```

```
    }

  ]

}
```

- Offer.type —   :

```
["taxi", "bus", "train", "ship", "transport", "drive", "flight", "check-in", "sightseeing", "restaurant"]
```

- Point:

```
{

  "base_price": 1100,

  "date_from": "2019-07-10T22:55:56.845Z",

  "date_to": "2019-07-11T11:22:13.375Z",

  "destination": $Destination$,

  "id": "0",

  "is_favorite": false,

  "offers": [

    {

      "title": "Choose meal",

      "price": 180

    }, {

      "title": "Upgrade to comfort class",

      "price": 50

    }
```

```
  ],

  "type": "bus"

}
```

- Point.type —   :

```
["taxi", "bus", "train", "ship", "transport", "drive", "flight", "check-in", "sightseeing", "restaurant"]
```

- LocalPoint:

```
{

  "base_price": 222,

  "date_from": "2019-07-10T22:55:56.845Z",

  "date_to": "2019-07-11T11:22:13.375Z",

  "destination": $Destination$,

  "is_favorite": false,

  "offers": [

   {

     "title": "Choose meal",

     "price": 180

   }, {

     "title": "Upgrade to comfort class",

     "price": 50

   }

  ],
```

```
    "type": "taxi"

}
```

- AuthorizationError:

```
{

  "error": 401,

  "message": "Header Authorization is not correct"

}
```

- NotFoundError:

```
{

  "error": 404,

  "message": "Not found"

}
```

Точки маршрута `/points`

GET /points

-            :

  - 200 OK

  - 401 Unauthorized

        :

- Request:

  - URL: GET /points

- Headers: Authorization: Basic kTy9gIdsz2317rD

* Response:

- Status: 200 OK

- Body: Point

* Request:

- URL: GET /points

* Response:

- Status: 401 Unauthorized

- Body: AuthorizationError

POST /points

                                   .

*   :

- 200 OK

- 401 Unauthorized

           :

* Request:

- URL: POST /points

- Headers: Authorization: Basic kTy9gIdsz2317rD

- Body: LocalPoint

* Response:

- Status: 200 OK

- o Body: `Point`

PUT /points/:id

.

- • :

- o 200 OK

- o 401 Unauthorized

- o 404 Not found

:

- • Request:

- o URL: PUT points/31

- o Headers: Authorization: Basic kTy9gIdsz2317rD

- o Body: `Point`

- • Response:

- o Status: 200 OK

- o Body: `Point`

DELETE /points/:id

.

- • :

- o 200 OK

- o 401 Unauthorized

- o 404 Not found

:

- Request:

○ URL: DELETE points/31

○ Headers: Authorization: Basic kTy9gIdsz2317rD

- Response:

○ Status: 200 OK

○ Body: OK

Пункты назначения /destinations

GET /destinations

.

- :

○ 200 OK

○ 401 Unauthorized

:

- Request:

○ URL: GET /destinations

○ Headers: Authorization: Basic kTy9gIdsz2317rD

- Response:

○ Status: 200 OK

○ Body: Destination

Общий список дополнительных предложений /offers

GET /offers

-   :

  - 200 OK

  - 401 Unauthorized

  :

- Request:

  - URL: GET /offers

  - Headers: Authorization: Basic kTy9gIdsz2317rD

- Response:

  - Status: 200 OK

  - Body: `Offer`

Синхронизация с сервером `/points/sync`

9.

  :

- Request:

  - URL: POST /points/sync

  - Headers: Authorization: Basic kTy9gIdsz2317rD

  - Body: `[$Point$, $Point$]`

- Response:

  - Status: 200 OK

  - Body:

```
{

  "created": [$Point$, $Point$],

  "updated": [$Point$, $Point$],

  "deleted": [$Point$, $Point$]

}
```

1.10 Обратная связь интерфейса

- «Loading…».

- «Save», «Delete»
  /   /   .
                        :

  o «Save» -> «Saving…»

  o «Delete» -> «Deleting…»

- .

- /   /
  .
  (,
).

- (,
)   DOM
  .

- (,   ),
  /   ,
  «   ».

2. Дополнительные задания

- Offline   .   -   .

.

.

- Debounce «Favorite».

- ,

.

3. Разное

- ,

. ,

. (markup).