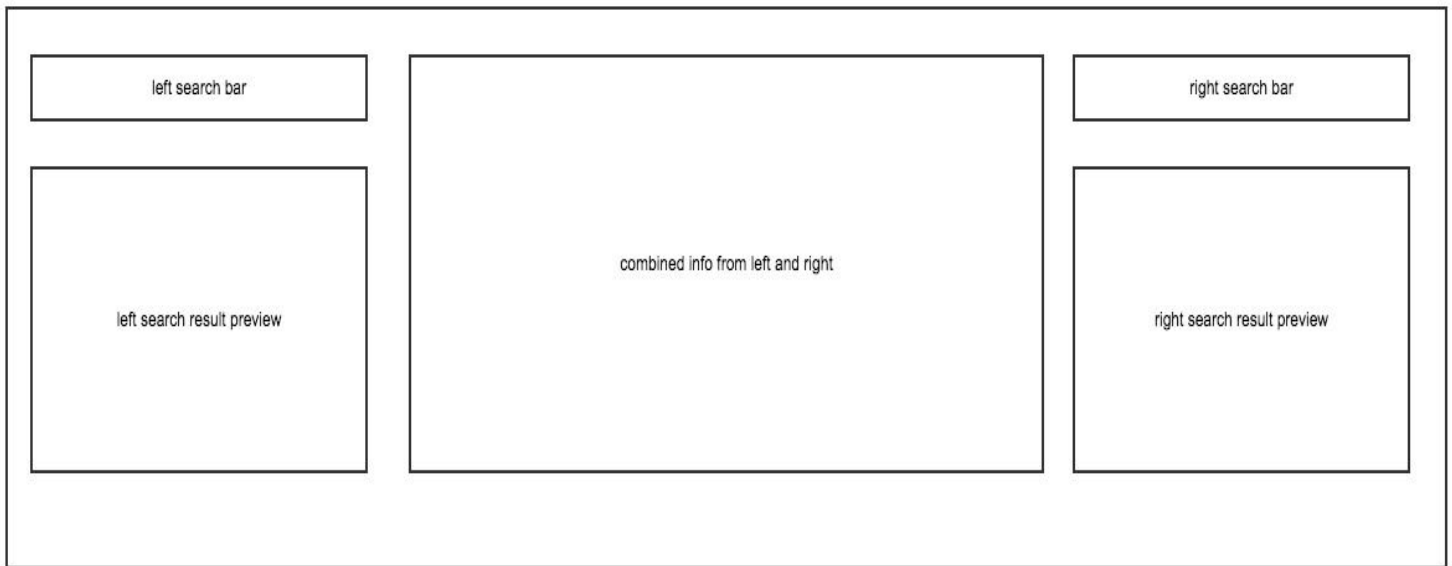# Three columns app.

Basic layout overview:

Tasks
1) As a user I want to be able to type id or name of entity in **Left search bar/right search bar**.
2) As a user I want to see overview fields in **left result preview/ right result preview**
3) As a user I want to see combination of detailed fields in **Combined info**

Technical requirements
1) React as a presentational framework.
2) Redux should be used as data management lib. All the data should be stored in store.
3) Selected project structure should assume that in a future it would be a big application.
4) Results of ajax requests could be mocked in project or in some storage(localStorage, IndexDb, FireBase)
5) Each ajax request should return only one entity not the whole list of entities.
6) All data should be cached in redux store. You don't have to do API call if data already exists in the store.
7) ES6(and above) or TypeScript should be used.
8) Webpack should be used as a bundle tool.

Optional points:
1) Design is totally up to you.
2) Mobile friendly

Possible result with following dataset:

```json
{
 "data": {
  "1": {
   "id": 1,
   "overviewFields": {
    "field1": "field_overview_1_1",
    "field2": "field_overview_1_2",
    "field3": "field_overview_1_3",
    "field4": "field_overview_1_4",
    "field5": "field_overview_1_5",
    "field6": "field_overview_1_6"
   },
   "detailedFields": {
    "field1": "field_detailed_1_1",
    "field2": "field_detailed_1_2",
    "field3": "field_detailed_1_3",
    "field4": "field_detailed_1_4",
    "field5": "field_detailed_1_5",
    "field6": "field_detailed_1_6"
   }
  },
  "2": {
   "id": 2,
   "overviewFields": {
    "field1": "field_overview_1_1",
    "field2": "field_overview_1_2",
    "field3": "field_overview_1_3",
    "field4": "field_overview_1_4",
    "field5": "field_overview_1_5",
    "field6": "field_overview_1_6"
   },
   "detailedFields": {
    "field1": "field_detailed_1_1",
    "field2": "field_detailed_1_2",
    "field3": "field_detailed_1_3",
    "field4": "field_detailed_1_4",
    "field5": "field_detailed_1_5",
    "field6": "field_detailed_1_6"
   }
```

```json
  },
  "3": {
    "id": 3,
    "overviewFields": {
      "field1": "field_overview_1_1",
      "field2": "field_overview_1_2",
      "field3": "field_overview_1_3",
      "field4": "field_overview_1_4",
      "field5": "field_overview_1_5",
      "field6": "field_overview_1_6"
    },
    "detailedFields": {
      "field1": "field_detailed_1_1",
      "field2": "field_detailed_1_2",
      "field3": "field_detailed_1_3",
      "field4": "field_detailed_1_4",
      "field5": "field_detailed_1_5",
      "field6": "field_detailed_1_6"
    }
  },
  "4": {
    "id": 4,
    "overviewFields": {
      "field1": "field_overview_1_1",
      "field2": "field_overview_1_2",
      "field3": "field_overview_1_3",
      "field4": "field_overview_1_4",
      "field5": "field_overview_1_5",
      "field6": "field_overview_1_6"
    },
    "detailedFields": {
      "field1": "field_detailed_1_1",
      "field2": "field_detailed_1_2",
      "field3": "field_detailed_1_3",
      "field4": "field_detailed_1_4",
      "field5": "field_detailed_1_5",
      "field6": "field_detailed_1_6"
    }
  },
  "5": {
    "id": 5,
    "overviewFields": {
      "field1": "field_overview_1_1",
```

```
        "field2": "field_overview_1_2",
        "field3": "field_overview_1_3",
        "field4": "field_overview_1_4",
        "field5": "field_overview_1_5",
        "field6": "field_overview_1_6"
      },
      "detailedFields": {
        "field1": "field_detailed_1_1",
        "field2": "field_detailed_1_2",
        "field3": "field_detailed_1_3",
        "field4": "field_detailed_1_4",
        "field5": "field_detailed_1_5",
        "field6": "field_detailed_1_6"
      }
    }
  }
}
```

1	field1: field_detailed_1_1	field1: field_detailed_5_1	5
field1: field_overview_1_1	field2: field_detailed_1_2	field2: field_detailed_5_2	field1: field_overview_5_1
field2: field_overview_1_2	field3: field_detailed_1_3	field3: field_detailed_5_3	field2: field_overview_5_2
field3: field_overview_1_3	field4: field_detailed_1_4	field4: field_detailed_5_4	field3: field_overview_5_3
field4: field_overview_1_4	field5: field_detailed_1_5	field5: field_detailed_5_5	field4: field_overview_5_4
field5: field_overview_1_5			field5: field_overview_5_5