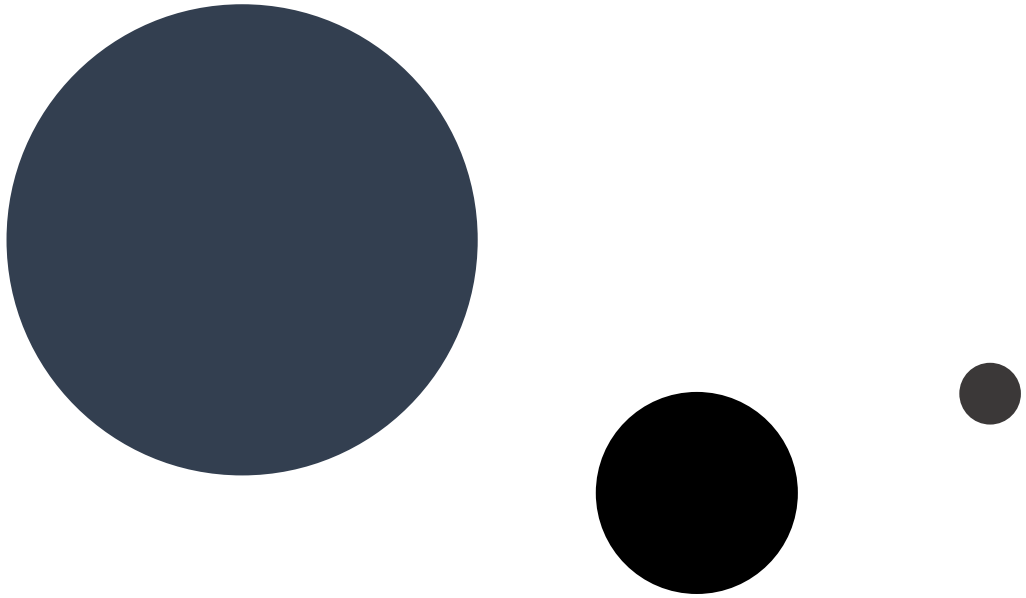

Intelligent tree data management component

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Content

1. Introduction to the problematics
2. API research
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4. Component structure design
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6. Pros and cons
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No existence of a component supporting following

- Multiple option providers
- Linked data
- Flexible
- Maintain same functionality as current solutions
  - Multi-select, show options as tree, collapsible tree branches, etc.

Additional functionality of the new component

- Display some info such as description, status, etc.
- Creating new options
- Configuration in UI (e.g. selectin type)

Introduction to the problematic

Based on several definitions

- Type – **web**, system, software, hardware, ...
- Data format – file, JSON, CSV, XML, ...
- Returned informations – complete data, data headers (IDs), ...
- Returned structure – list, tree, graph, ...

URL structure

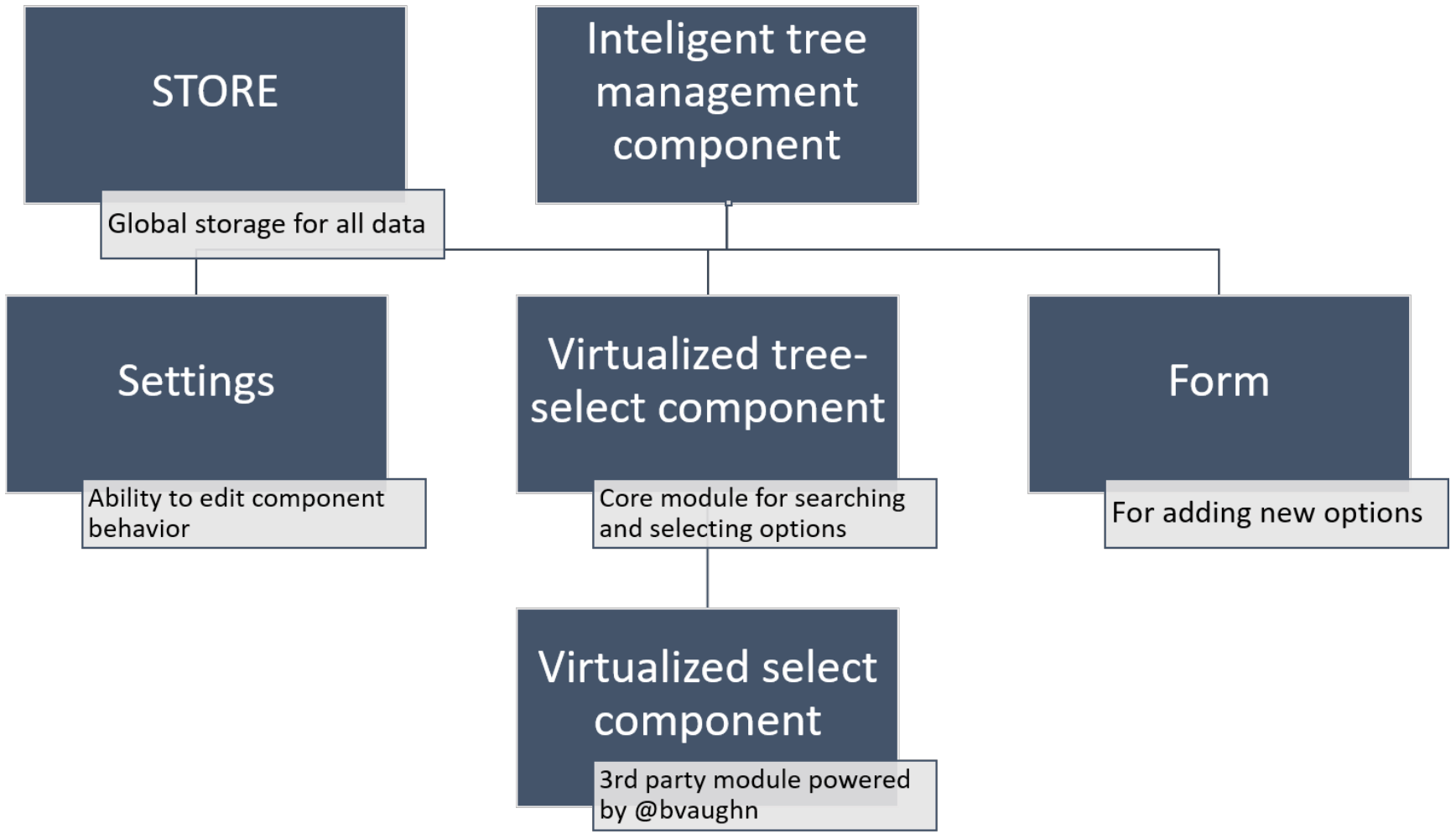
- Protocol + ´sub domain´ + Domain + ´version´ + endpoint + ´querry´
- Example:

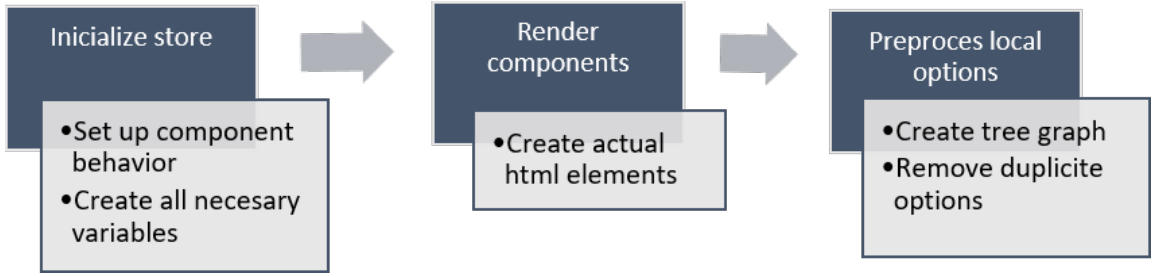
https://www.api.spotify.com/v1/artist/123456789/albums?location=CZ,SK&limit=25&offset=5

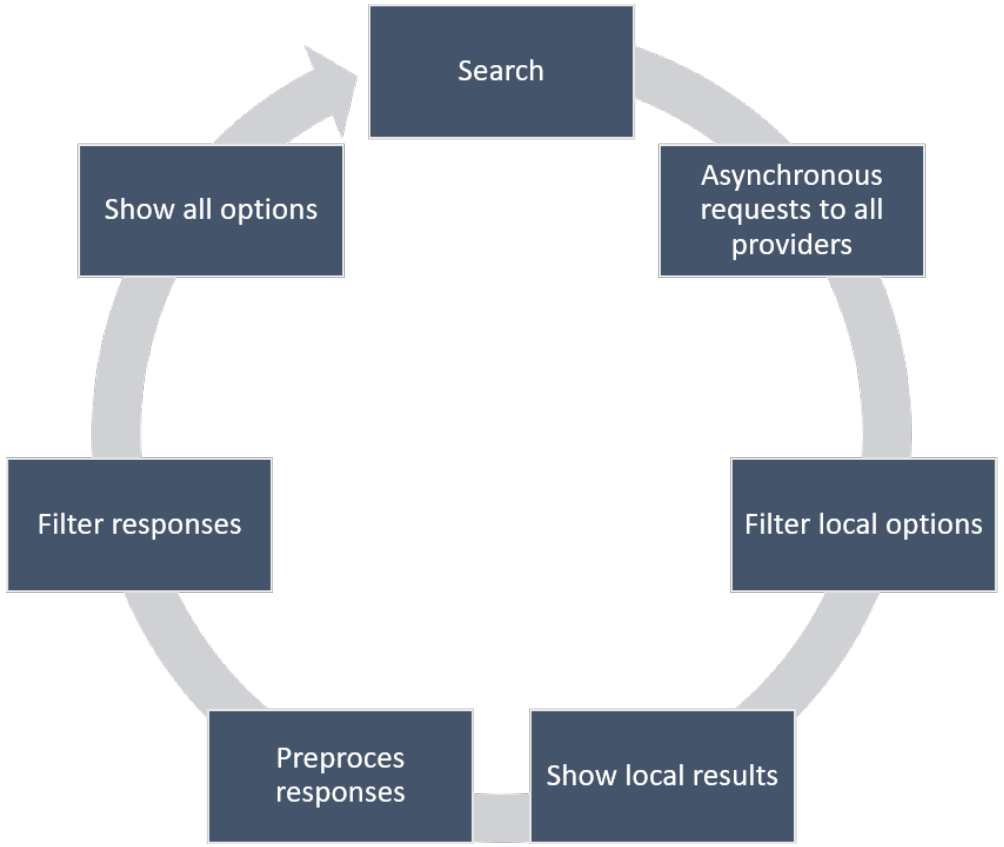
API research

Technology

Component structure







Component flow + life cycle

Pros and Cons

- Pros
  - Support multiple option providers
  - Work with linked data
  - Huge customization potencial
  - Easily integable with other react application
  - Does not affect UI performance (rendering)

- Cons
  - Procesing data may be slow
  - By default support only JSON data format (? - CSV, XML)

Demo

Thanks you for your attention

Questions?