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Service Layer

HousingAffordability.viz will be a single page application. With all of the user interaction coming from data transformations and visualization on the front end, there will be limited requirements for endpoints. The three necessary for the MVP are /index, /data and /about endpoint. As a stretch feature, another endpoint for /salary will be required. Descriptions of the endpoints are below.

Service Endpoints

- /index: This will be a GET request that returns the index template which includes the interactive map visualization.
- /data: This will be a GET request that returns the data from the database. This endpoint will be utilized by the frontend to feed the data into the D3 visualization constructor.
- /about: This will be a GET request that returns the about page which will include information on where the data comes from and how the affordability index is calculated.
- /salary: This will be structured similar to the /index endpoint, with minor adjustments on the UI.

Example Endpoint Request/Response

GET /index returns index.html

GET /data returns JSON data structure from the database to the frontend:
```
{
   zipcode: value,
   longitude: value,
   latitude: value,
   sales price: value,
   affordability index: value,
   salary required: value
}
```

GET /about returns about.html

GET /salary returns salary.html