viae™ — logic

modules:

1. User – populated with data from belows
2. Authentication
   1. Basic Authentication
      - Username / `input`
      - Password / `input`
   2. OAuth Authentication / `function`
      - Username / `input`
      - Token
         - Create token / `fetch()`
         - Enter token / `input`
3. HTTP verbs
   - GET
   - POST
   - PUT
   - DELETE
4. Methods
   - Notifications
   - Repositories
   - Users
   - Organizations
5. Headers

---

from `Bear.app`:

Logic

Authentication

1. Choose authentication for GitHub:
   1. Basic Username/Password
      - Authenticate
         - If ok -> Write this data somewhere
   2. OAuth: Username/Token
      1. Create Token
         - Get new Token
         - Write it somewhere
      2. Use existing one
         - Input your Token
         - Authenticate
            - If ok -> Write it somewhere

Methods?

1. Choose by methods:
   - Repositories
     1. List your repositories `GET /user/repos`
     2. List user repositories `GET /users/:username/repos`
     3. List organization repositories `GET /orgs/:org/repos`
     4. List all public repositories `GET /repositories`
     5. Create a new repository `POST /user/repos`
     6. Create a new repository in organization `POST /orgs/:org/repos`
     7. `GET /repos/:owner/:repo`
     8. List all topics for a repository `GET /repos/:owner/:repo/topic`
     9. Replace all topics for a repository `PUT /repos/:owner/:repo/topics`
     10. List contributors `GET /repos/:owner/:repo/contributors`
     11. Delete a repository `DELETE /repos/:owner/:repo`
   - Users
     1. Get a single user `GET /users/:username`
     2. Get the authenticated user `GET /user`
     3. Update the authenticated user `PATCH /user`
     4. Get contextual information about a user `GET /users/:username/hovercard`
     5. Get all users `GET /users`
     6.
   - *more soon*
2. HTTP verbs `-X $HTTP_VERB`
   - GET
   - POST
   - PUT
   - DELETE
3. Would you like to specify some headers `-H $HEADER`?

```
# viae™ alaways send basic headers like follows:

-H "application/vnd.github.v3+json"

# If you use OAuth:
-H '{"scopes": ["public_repo"]}' #for public repositories
-H '{"scopes": ["repo"]}' #for private repositories
```

Sources

[RESTful Service Best Practices](file:///Users/rg/Downloads/RESTful%20Best%20Practices-v1_2.pdf)
GitHub - RestCheatSheet/api-cheat-sheet: API Design Guidelines and Best Practices Cheat Sheet
REST API Tutorial
OAuth 2.0 — OAuth
JSON-LD - JSON for Linking Data
Running an Express GraphQL Server | GraphQL.js Tutorial