Prescreminder – Services Design

Below is the documentation of all the endpoints that are required for the MVP for Prescreminder. All the endpoints except login and signup will be authenticated using jwt authentication. Thus, the authentication information is not included on each endpoint level.

/user/login
HTTP Verb: Get
Parameters:
- username: username or email address for login (string)
- password: password for the login (string)

Responses
- **200:** on successful login with bearer token for authentication. This authentication token will be used for all the other endpoints except the signup endpoint.
- **400:** invalid username/password

Purpose
- Login Page will be using this endpoint for logging in to the application.

/user/logout
HTTP Verb: Get
Responses
- **200:** on successful logout for the currently logged-in user.

Purpose
- Users page will be using this endpoint to log out from the application.

/user
HTTP Verb: Delete
Responses
- **200:** on the successful deletion of the currently logged-in user data.

Purpose
- Users page will be using this endpoint if the user chooses to delete the user account.

/user/signup
HTTP Verb: Post
Request Body (JSON Object with following Parameters):
- username: unique username (string)
- emailAddress: unique email address (string)
- password: password for the login (string)
- firstName: user's first name (string)
- middleName: user's middle name (string)
- lastName: user's last name (string)

Responses
- **200:** on successful account creation
- **400:** invalid parameters

Purpose
- Create Account page will be using this endpoint for account creation.

/medication-today
HTTP Verb: Get
Responses
- **200:** with JSON array of all the medications today for the logged-in user.
  Example Response:

```json
[{
    "prescriptionId": "c38a1cdf-243d-44e6-84c5-a49ba4704f35",
    "name": "Aspirin",
    "quantity": "5 mg",
    "hour": 8,
    "minute": 0,
    "taken": true
},
{
    "prescriptionId": "ded1444a-000f-4319-8638-974715361e39",
    "name": "Siptin",
    "quantity": "15 mg",
    "hour": 13,
    "minute": 0,
    "taken": false
}
]
```

Purpose
- Home Page will use this endpoint to render the information the list of each medication for the logged-in user.
- It will use the hour and minute values to sort by time.
- It will use the taken Boolean information to check/ uncheck the checkboxes.

/medication-today/is-taken/{prescriptionId}
HTTP Verb: Post
Parameters:
- taken: Boolean value to represent if the medication is taken for the day.

Responses
- **200:** on successful update

Purpose
- Home Page will use this endpoint upon each value change on the checkbox.

/notifications
HTTP Verb: Get
Responses
- **200:** with JSON array of all the notifications for the logged-in user.
  Example Response:

```
[{
    "notificationId": "f2f11b1d-32ab-42e4-8cc6-bb8b69ad5f4f",
    "message": "Aspirin is expiring soon",
    "type": "warning",
    "duedate": "11/01/2021"
},
{
    "notificationId": "abf208b8-7088-4c73-a948-7f76a9ad494e",
    "message": "Siptin is expiring soon",
    "type": "warning",
    "duedate": "11/02/2021"
}
]
```

Purpose:

- The notification component will use this endpoint to render notifications.

/medication-intake-history
HTTP Verb: Get
Responses

- **200:** with JSON array of all the medication intake history for the logged-in user
  Example Response:

```
[{
    "historyId": "f2f11b1d-32ab-42e4-8cc6-bb8b69ad5f4f",
    "prescriptionName": "Aspirin",
    "quantity": "10 mg",
    "eventDate": "10/01/2021"
},
{
    "historyId": "abf208b8-7088-4c73-a948-7f76a9ad494e",
    "prescriptionName": "Siptin",
    "quantity": "5 mg",
    "duedate": "10/01/2021"
}
]
```

Purpose:

- The medication intake history view will use this endpoint to render the history.

/medication-intake-history/pdf
HTTP Verb: Get
Responses

- **200:** with a pdf file content with all the medication intake histories for the logged-in user.

Purpose:

- The medication intake history view will use this endpoint to download the pdf file.

/prescriptions
HTTP Verb: Get
Responses

- **200:** with JSON array of all the prescriptions associated with the logged-in user
  Example Response:

```
[{
    "prescriptionId": "7c574174-e133-4410-8f84-32e848851991",
    "name": "Aspirin",
    "quantity": "10 mg",
    "startDate": "10/01/2021",
    "completeDate": null,
    "expirationDate": "12/01/2021",
    "prescriptionTimesOfADay": [{
            "id": "649fe250-66c5-479b-8e15-8a106ea71adc",
            "hour": 8,
            "min": 30
        },
        {
            "id": "089536dc-b822-4f37-85b1-44f1249973d9",
            "hour": 19,
            "min": 0
        }
    ]
}]
```

Purpose:

- The prescriptions page will use this endpoint to render the prescriptions associated with the logged-in user.

/prescriptions/{prescriptionId}
HTTP Verb: Put
Request JSON Body:

```
{
    "prescriptionId": "7c574174-e133-4410-8f84-32e848851991",
    "name": "Aspirin",
    "quantity": "10 mg",
    "startDate": "10/01/2021",
    "completeDate": null,
    "expirationDate": "12/01/2021",
    "prescriptionTimesOfADay": [{
            "id": "649fe250-66c5-479b-8e15-8a106ea71adc",
            "hour": 8,
            "min": 30
        },
        {
            "id": "089536dc-b822-4f37-85b1-44f1249973d9",
            "hour": 19,
            "min": 0
        }
    ]
}
```

Responses

- **200:** After successful creation or update

Purpose:

- The add new prescription and edit prescription pages will use this endpoint to create a new prescription or to update an existing one.

/prescriptions/{prescriptionId}
HTTP Verb: Delete
Responses

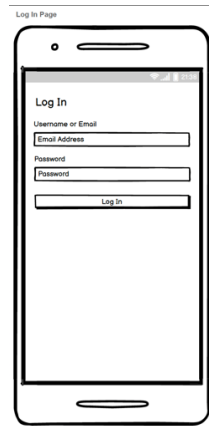- **200:** after successful deletion

Purpose:

- The prescriptions page will use this endpoint to delete a selected prescriptionId

Following documentation consists of each wireframe and the endpoint(s) that they interact with:

Services Used by Log in Page:
- **/user/login**   **Post**
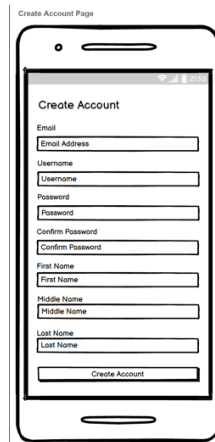

Services Used by Create Account Page:
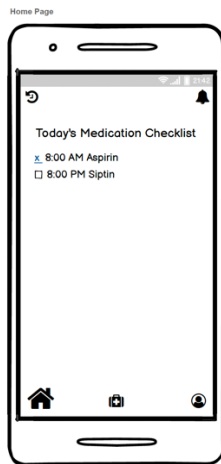- **/user/signup**   **Post**

Services Used by Home Page:
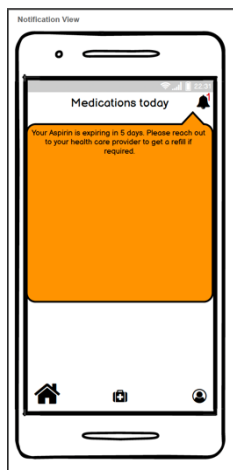- **/medication-today**   **Get**
- **/medication-today/is-taken/{prescriptionId}**   **Post**

Home Page

Today's Medication Checklist

x 8:00 AM Aspirin
☐ 8:00 PM Siptin

Services Used by Notification View:
- **/notifications**   **Get**

Notification View

Medications today

Your Aspirin is expiring in 5 days. Please reach out to your health care provider to get a refill if required.

Services used by Medication Intake history Component:
- **/medication-intake-history**   **Get**
- **/medication-intake-history/pdf**   **Get**
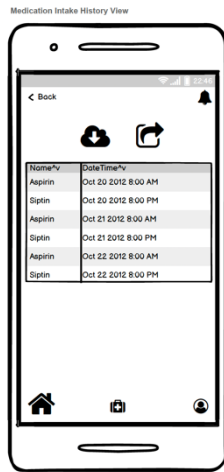
Services used by Prescription Page:
- **/prescriptions**   **Get**
- **/prescriptions/{prescriptionId}**   **Delete**
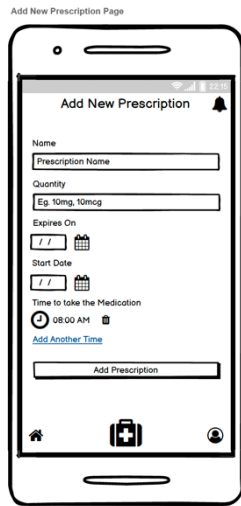
Services used by Add New Prescription Page:
- **/prescriptions/{prescriptionId}**   **Put**
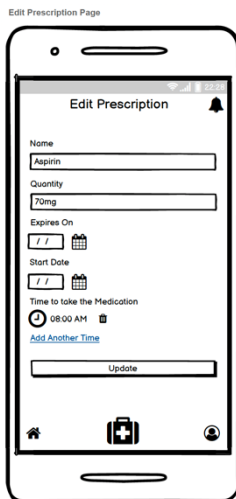

Services used by Edit Prescription Page:
- **/prescriptions/{prescriptionId}**   **Put**

Services used by Users Page:
- **/user/logout**   **Get**
- **/user**   **Delete**

User Page