Aggre-Gator RSS

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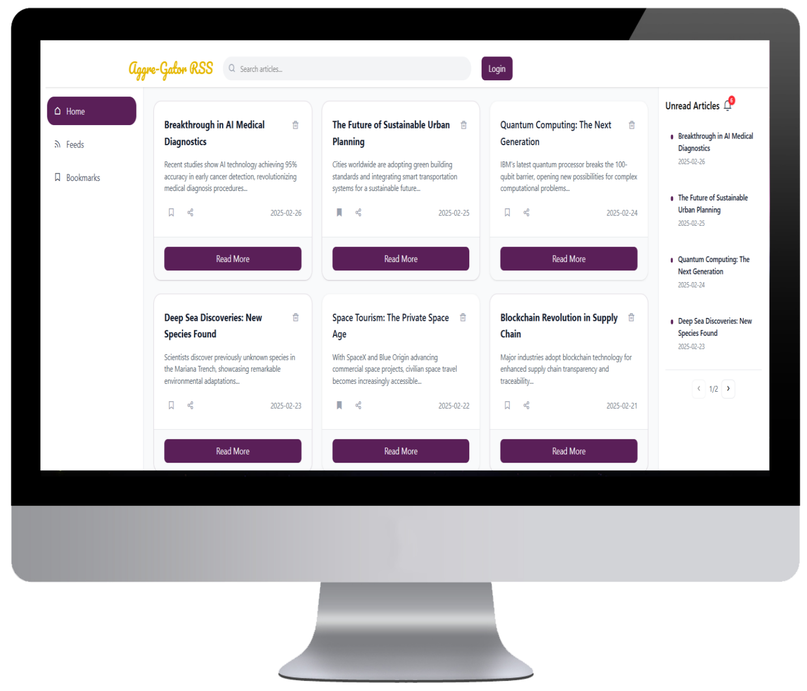
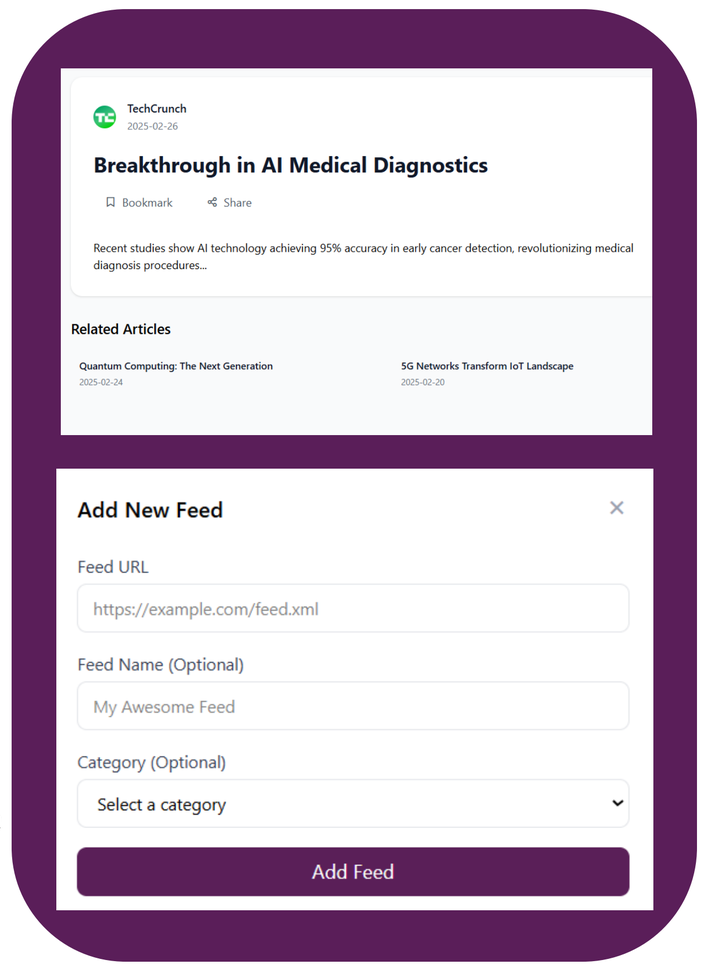
Aggre-Gator RSS is a feed aggregator that centralizes content from multiple web sources in one convenient location. Users can subscribe to their favorite websites and receive real-time updates. Built with WCU's purple and gold theme, Aggre-Gator RSS features a minimalist interface developed using TypeScript and styled with Tailwind CSS for a clean and straightforward UX design.

Vite

Compiles our Typescript, treeshakes the code, and optimizes our static assets, resulting in static files we can serve with Nginx





Deployment

We use Nix instead of Docker to build our container images because of its focus on reproducibility and to better integrate with NixOS.

Nix allows us to define tests and checks that are run hermetically in the same way builds are, ensuring they are not affected by user-specific configuration. This means that we as developers can easily run our CI checks locally.

Nix's hermeticity allows it to cache build and check outputs when their inputs stay the same. This means that CI only evaluates checks that could have been impacted by code changes, without any manual configuration.

```
backend-api-container-stream = { /*...*/ }: dockerTools.streamLayeredImage {
  name = "backend-api";
  tag = "latest";

  config = {
    Entrypoint = [
      "${lib.getExe backend-api}"
    ];
    Env = [
      "DB_HOST=db"
      "LISTEN_PORT=80"
    ];
    ExposedPorts = {
      "80/tcp" = { };
    };
  };
};
```

The code to generate our ` backend-api` container