Concept paper - Wishlinx

The act of gift-giving has evolved, and finding the perfect present for loved ones can sometimes be a daunting task.

Wishlinx aims to make it easier to create wish lists for special occasions such as birthdays, baby showers, weddings, and more. This user-friendly platform will empower individuals to effortlessly curate and share their desired gifts, ensuring that both gift-givers and recipients experience unparalleled joy and satisfaction.

For this project, the following technologies will be used: Frontend Development – **HTML, CSS, JavaScript**, Backend Development – **Flask (Python framework)**, Database – **MongoDB**, Containerization – **Docker**, Hosting **- Firebase (Backend), Netlify (Frontend)**, Messaging – **SendGrid**.

Most of these technologies are used because of their high scalability and availability. MongoDB is an excellent non-relational database system for data that changes regularly, such as gift ideas and wish list items. Firebase and Netlify are chosen for hosting since they are free, simple, and rapid to deploy. Flask is a lightweight framework that provides the flexibility and simplicity required to build customized applications, and SendGrid is an email messaging server with a free plan and great support for developers.

Wishlinx would use a client-server architecture with a request-response model. This means that when the client (frontend) requests information from the server, the server (backend) responds with the data that is asked for. The following is a high-level illustration of this architecture using the above-mentioned technologies: