**Code Design**

**User Interface**

**Home Page – Renders home page (homepage.html) to home page. Users will see this upon arriving to the site**

Text

Description automatically generated with medium confidenceGraphical user interface, website

Description automatically generated

**Other UI pages: About Us Page gives our mission and vision. The Parent’s Corner gives parents good to know information.**

Graphical user interface

Description automatically generated

Graphical user interface, website

Description automatically generated

**Left Side Navigation Bar – The navigation bar gives guests the options of clicking on a link to a different page on the site such as About Us Page, Parent’s Corner, and Sign Up**

Text

Description automatically generated

Chart

Description automatically generated with medium confidence

**Login – Code that allows user to login by email and password. The database is queried first to confirm email exist, if the email exists then the password hash is checked against the data the user inputs. If the user’s inputs are correct the user is redirected to the user dashboard. If the password is inaccurate a flash message is presented prompting the user to try again. If the email does not exist in the database, the guest is prompted to create an account.**

Text

Description automatically generated

A picture containing background pattern

Description automatically generated

**Sign Up Page - A parent utilize the sign up page to register an account. The parent’s first name, last name, email address, password, and confirm password. Once the account is created the user information is stored in the database using ‘POST’ and the user is redirected to the login page to login.**

Text

Description automatically generated

Graphical user interface, application

Description automatically generatedText

Description automatically generated with medium confidenceGraphical user interface, application, website

Description automatically generated

Login Manager – **built in Flask module that contains code that knows how to load a user from an ID, how to send each user to each user’s personal account page. Each allows each individual login session to be tracked.**

A screenshot of a computer

Description automatically generated with medium confidence

Blueprints- **Allows the developer to create a folder of files to be created into a module which can then be used throughout the application by importing the module into other components of the code base.**

A screenshot of a computer

Description automatically generated with medium confidence

Snippet of Code Base – Code Base created in VSCode

A screenshot of a computer

Description automatically generated with low confidence

**Code Base 2** – I began to build out code in Django using Pycharm with more organization --code shows bootstrap

Text

Description automatically generated

**Database Migrated in Django – migrated database – most tables already built in with app**

A screenshot of a computer

Description automatically generated with medium confidence

**Admin created** – superuser

Graphical user interface, text, application

Description automatically generated

**Database** – VSCode

Text

Description automatically generated

**Forgot Password – Reset Request** – **If a user forgets their password, while attempting to login a link is provided that will route the user to a reset request form. A message flashes advising users that an email will be sent to their email address.**

A screenshot of a computer

Description automatically generated

Shape

Description automatically generated with medium confidence

Graphical user interface

Description automatically generated with low confidence

**User Logged In** – When a user logs in the user is routed to the student’s dashboard.

Graphical user interface, website

Description automatically generated

**Parent’s Dashboard** - **When a parent login, the parent will be able to track their child’s progress, enroll a child, and update their personal information.**

Graphical user interface, text

Description automatically generated

**Admin Dashboard** – **Admin will have full CRUD capabilities. The admin will be able to generate reports, delete users, create users, update course descriptions, delete courses, add users, and add courses.**

Text

Description automatically generated