Software Requirement Specification of Buddy Tutor

The purpose of Buddy Tutor is to provide a platform for tutors and students to connect and exchange knowledge as well as parent involvement to monitor their children. Tutors, Students, and parents can register on the website and create their profiles, while students can search for tutors by location, subject, and price range. On the other hand, parents can monitor their children. The website has a messaging system that allows tutors and students to communicate and schedule tutoring sessions.

Functional Requirements

- **User Management:** The Buddy Tutor website has five types of users: Tutor, Student, and Parent are the end user of this application on the other hand General Admin, and Super Admin is controllers of this application. General admin can only control end users' activity whereas Super admin is the governor of the full system. All the end users can be able to register on the website by providing their Information. After registering they must verify their email. Students will be able to search for tutors without registering but will be required to register to schedule tutoring sessions. Students or parents can contact teachers through the contact form found on the profile details page. Teachers can also contact/reply to students or parents from their dashboard. Students/parents can make a payment for the lesson. After payment Students/parents can complete their lesson or cancel their lesson.

- **Tutor Profile Management:** Tutors will be able to create and manage their profiles, which will include their name, location, subject(s) they teach, hourly rate, availability, and a brief bio. They will be able to upload a profile picture and any other relevant documents, such as certificates or degrees, Proof of Address, etc. During registration, teachers must add at least one subject and first schedule and Students

must add at least one subject. Teachers can add their multiple qualifications with documents.

Initially, teachers' profiles will be inactive, after getting mail admin will check the document. If all documents are valid then the admin will approve the teacher's accounts. Otherwise, the admin rejects the account. For both approve or reject accounts teachers will be notified by email.

Teachers can add multiple subjects to teach while students and parents can add multiple subjects to learn. Teachers can add multiple schedules on his/her suitable time for every day. And students or parents can contact the teacher if their suitable time matches.

● **Student Profile Management:** Students are able to search for tutors by location, subject, and price range. The search results will display the tutors' profiles, including their hourly rate, availability, and contact information.
The Buddy Tutor website will have a messaging system that allows tutors and students to communicate and exchange information. Tutors and students will be able to send messages to each other through the website. Students will be able to schedule tutoring sessions with tutors through the website.

● **Parent Profile Management:** Students and parents can search for teachers In-Person/Online by the following parameters:

For In-person Tutor Search:
   ● Subject
   ● Level
   ● Post Code
For Online Tutor Search:
   ● Subject
   ● Level
Teachers can also search for students in the same way.

- **Filtering:** Students' lists can be filtered by gender and subject. Teachers' lists can be filtered by gender, subject, and price.

- **Admin Role:** General Admin and Super Admin are plays vital roles in controllers of this application. General admin can only control end users' activity and other things, whereas Super admin is the governor of the full system. Admins are also responsible for refunding the money from the payment table.

- **Payment Processing:** The Buddy Tutor website will support payment processing for tutoring sessions. Tutors will be able to set their own hourly rate and receive payment through the website. The website will also deduct a service fee for each transaction.

Non-Functional Requirements

- **Usability:** The Buddy Tutor website must be user-friendly and easy to navigate for both tutors and students. The website must have clear instructions and prompts for all actions.

- **Security:** The website must be secure and protect user data. User data must be encrypted and stored securely. The website must also protect against unauthorized access and ensure that user data is not leaked or shared with third parties.

- **Performance:** The website must be fast and responsive. Pages must load quickly, and users should not experience lag or delays when performing actions on the website.

Technical Requirements

The Buddy Tutor website was developed by using the following technologies:

Front-End: HTML, CSS, JavaScript, Bootstrap
Back-End: PHP Laravel
Database: MySQL