**EduConnect Rwanda – Project Report**

**1. Introduction**

EduConnect Rwanda is a simple web application made to help students, parents, and school leaders in Ngoma District access school information in one place. The platform shares details about schools, admissions, events, and contact info.

**2. Project Purpose**

Many students and parents in Ngoma District find it hard to get correct information about schools. This project solves that problem by:

* Showing a searchable list of schools.
* Giving an online admission form with validation.
* Displaying school events.
* Showing social media updates (mock Twitter & Facebook).

**3. Technologies Used**

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| **Technology** | **Purpose** |
| HTML5 | Structure of web pages |
| CSS3 / Bootstrap | Styling and mobile responsiveness |
| JavaScript | Form validation and dynamic data |
| Font Awesome | Icons |
| Mock Data | Sample school and event details |
| Social media (Mocked) | Simulated Twitter & Facebook feeds |

**4. Development Process**

* **Planning & Prototyping**: Drew website wireframes and listed main pages.
* **Building Website**: Created Home, School Directory, Admissions, Events, Contact pages.
* **Adding Features**: Used JavaScript for form validation and loading mock data.
* **Testing**: Tested on mobile, tablet, and computer. Fixed layout and form errors.

**5. Challenges Faced**

* **No Real API Access**  
  → I used mock social media data since real APIs need registration.
* **Form Validation Errors**  
  → Early versions accepted wrong inputs. I fixed this by improving JavaScript checks for valid email and phone numbers.
* **Responsive Design Issues**  
  → Some elements didn’t look good on phones. I used Bootstrap grid to fix layout.

**6. How the System Works**

* Homepage: Shows featured schools and updates.
* Directory: Allows search and filter by school level.
* Admissions: Online form with input validation.
* Events: Users can view or submit events.
* Contact: Users send messages via form.

**7. Future Improvements**

* Connect to a real database for saving data.
* Use real Twitter/Facebook APIs.
* Allow user login and tracking.
* Add map to show school locations.

**8. Conclusion**

EduConnect Rwanda helps people in Ngoma District find school information easily. It was built using HTML, CSS, Bootstrap, and JavaScript within one week. With improvements, it can serve more districts in Rwanda.

📎 GitHub Link: *[https://github.com/24RP02418-ASIMWE/web1.git]*  
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