**Report: Architecture System Selection for Organizational Use**

This report provides a detailed analysis of three architecture systems, evaluating their suitability for our organization based on a comprehensive evaluation matrix. The aim is to select the most appropriate system by examining their pros and cons, and by scoring them against critical criteria.

Evaluated Systems

**1. Customer Application Using .NET**

**2. Customer Application Using Java**

**3. Unicentral Web Application**

**Evaluation Criteria**

The systems were evaluated on:

1. Develop Desirable In-School Skills
2. Integration with Existing Systems
3. Experience with Product
4. Cost
5. Project Duration
6. Competing with Other Products
7. Customizable Interface
8. Training for Maintenance

**System Analysis**

1. **Customer Application Using .NET**

**Score:320**

**Pros:**

- Strong integration with existing systems, ensuring seamless operation.

- Cost-effective, offering good value for the investment.

**Cons:**

- Limited in developing in-school skills, which might not foster modern educational approaches.

- Lower customization capabilities, potentially leading to a less tailored user experience.

2**. Customer Application Using Java**

**Score: 325**

**Pros:**

- High experience with the product, indicating reliability and a shorter learning curve.

- Favorable project duration, leading to quicker deployment and utilization.

**Cons:**

- Moderate integration with existing systems, which may require additional adjustments.

- Lesser focus on customizable interface, potentially restricting user experience optimization.

**3. Unicentral Web Application**

**Score: 395**

**Pros:**

- Excellent in developing in-school skills, aligning with educational advancements.

- Highly customizable interface, allowing for a user-centric design and functionality.

- Strong emphasis on training for maintenance, ensuring long-term system reliability.

**Cons:**

- Higher cost than other options, which might impact budget allocations.

- Potentially longer project duration, requiring more time for full implementation.

**Selection and Justification:**

Unicentral Web Application is the recommended choice with a score of 395. This system excels in critical areas like skill development, customization, and maintenance training, outweighing its higher cost and longer project duration. These strengths align closely with our organizational objectives, particularly in enhancing educational experiences and ensuring operational stability.

**Conclusion:**

The Unicentral Web Application is the most suitable architecture system for our organization, given its superior performance in areas that align with our strategic goals. Its advantages in fostering educational skills, offering a customizable interface, and providing comprehensive maintenance training make it an ideal choice, despite its higher cost and longer implementation time.

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|  | User Requirements | Microsoft Azure  Requirements | Developer Requirements |
| Operating System | Any device that has access to the internet | Windows Server, Linux | MacOS, Windows |
| Special Software | Application that is able to reach internet | Microsoft.NET Framework, Windows Server 2016 | Django, React, Python |
| Hardware | Any device is fine | 8 GB RAM, 40GB Storage | Standard computer, 8GB RAM, |
| Network | Standard Internet Connection | Standard Internet Connection | Standard Internet Connection |