

Hackathon Rubric – Student Housing

Criteria	Description	Weight	Scale (1-5)
Creativity	Originality and innovation in the approach, ideas, and solutions presented.	20%	
	- Originality: How unique and innovative is the solution?		1 = Not original, 5 = Highly original
	- Innovation: Does the project introduce new ideas or methods?		1 = No new ideas, 5 = Highly innovative
	- Problem-Solving: Does the project creatively address the problem?		1 = Poor problem-solving, 5 = Excellent problem-solving
Use of Microsoft AI Tools	Effective and innovative use of Microsoft AI tools to enhance the project.	50%	
	- Integration: How well are Microsoft AI tools integrated into the project?		1 = Poor integration, 5 = Excellent integration
	- Effectiveness: Are the Microsoft AI tools used effectively to solve the problem?		1 = Ineffective use, 5 = Highly effective use
	- Innovation: Are the Microsoft AI tools used in a novel or creative way?		1 = Not innovative, 5 = Highly innovative
	- Complexity: Does the project leverage advanced Microsoft AI techniques?		1 = Basic techniques, 5 = Advanced techniques
Relevance to Theme	Alignment with the theme of solving student housing issues in South Africa.	15%	
	- Alignment: How well does the project align with the theme?		1 = Poor alignment, 5 = Excellent alignment
	- Contextual Understanding: Does the project demonstrate a deep understanding of the local context and challenges?		1 = Poor understanding, 5 = Excellent understanding

Criteria	Description	Weight	Scale (1-5)
	- Cultural Sensitivity: Is the project culturally sensitive and appropriate?		1 = Not sensitive, 5 = Highly sensitive
Technical Implementation	Quality of the technical implementation, including code quality, functionality, and robustness.	10%	
	- Code Quality: Is the code well-written and maintainable?		1 = Poor quality, 5 = Excellent quality
	- Functionality: Does the project work as intended?		1 = Does not work, 5 = Works perfectly
	- Robustness: Is the solution robust and reliable?		1 = Not robust, 5 = Highly robust
	- Scalability: Can the solution be scaled for larger applications?		1 = Not scalable, 5 = Highly scalable
Impact and Feasibility	Potential impact of the solution on student housing and its feasibility for real-world application.	5%	
	- Impact: What is the potential impact of the solution on student housing?		1 = Low impact, 5 = High impact
	- Feasibility: How feasible is the solution for real-world implementation?		1 = Not feasible, 5 = Highly feasible
	- Sustainability: Is the solution sustainable in the long term?		1 = Not sustainable, 5 = Highly sustainable

Total Score Calculation Method

1. **Score each criterion** on a scale of 1 to 5.
2. **Multiply the score** for each criterion by its respective weight.
3. **Sum the weighted scores** to get the total score.

Example Calculation:

- Creativity: 4 (score) * 20% (weight) = 0.8
- Use of Microsoft AI Tools: 5 (score) * 50% (weight) = 2.5
- Relevance to Theme: 3 (score) * 15% (weight) = 0.45
- Technical Implementation: 4 (score) * 10% (weight) = 0.4

- Impact and Feasibility: 3 (score) * 5% (weight) = 0.15

Total Score = $0.8 + 2.5 + 0.45 + 0.4 + 0.15 = 4.3$