Lady Linux – Focus Area Module

Client / Stakeholder & Domain Vision Role

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1. Focus Area Overview

Purpose:
The Client / Stakeholder role represents the originating vision, domain expertise, and long-term intent of the Lady Linux project. This role defines the problem space, articulates the philosophical and ethical foundations of the system, and ensures that student work remains aligned with the project's human-centered goals.

Context Within the System:
Unlike technical focus areas, the Client / Stakeholder role does not own implementation. Instead, it provides continuity across semesters, clarifies intent when trade-offs arise, and acts as the reference point for why the system exists. This role bridges academic exploration with real-world relevance and future sustainability.

Relevance:
Real-world software projects depend on clear stakeholder vision. This role models industry practices where domain experts, product owners, or community representatives guide development without directly controlling implementation.

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2. Learning Objectives & Goal Setting

Initial Goals:

1. Clearly articulate the Lady Linux vision, values, and constraints.
2. Provide actionable domain insight to inform student decision-making.
3. Support student autonomy while preventing misalignment with core goals.
4. Encourage ethical, user-centered, and sustainability-aware design choices.
5. Maintain continuity and coherence across all focus areas.

Required Skills & Knowledge:

- Systems-level conceptual thinking
- Data literacy and privacy awareness
- Familiarity with operating systems and computing ethics
- Communication across technical and non-technical domains

- Critical evaluation of emerging technologies

Success Criteria:

- Students can clearly explain *why* their work matters
- Technical decisions reflect stated values and constraints
- Vision remains coherent across all modules
- Students demonstrate understanding of user impact

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3. Research & Planning Phase

Background Research:

- Trends in operating systems and platform control
- Data ownership, privacy, and consent models
- Risks of autonomous AI agents
- Human–computer interaction and usability ethics
- Right-to-repair and sustainable computing movements

Design Constraints:

- Human-in-the-loop control is mandatory
- Transparency over automation
- No unrestricted autonomous system modification
- User data is treated as first-class, personal information
- Accessibility and teachability are core requirements

Proposed Approach:
The Client / Stakeholder provides framing documents, conceptual models, and ongoing clarification rather than prescriptive specifications. Guidance is delivered through discussion, review, and reflective questioning.

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4. Workflow & Implementation

Engagement Workflow:

1. Present the Lady Linux vision at project kickoff
2. Participate in early design discussions to clarify intent
3. Review milestone outputs from each focus area

4. Provide feedback on alignment, ethics, and usability
5. Assist in resolving cross-domain ambiguities
6. Participate in final system review and reflection

Tools & Communication:

- Written vision and framing documents
- Periodic meetings or recorded briefings
- Shared documentation platforms
- Asynchronous feedback channels

Integration Points:

- Clarifying intent between OS, LLM, security, and UI teams
- Ensuring user data considerations are respected
- Reinforcing non-autonomous AI boundaries
- Maintaining conceptual consistency across modules

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5. Deliverables

Primary Deliverables:

- Project vision and framing documentation
- Ethical and conceptual guidelines
- Mid-semester alignment feedback summaries
- Final stakeholder review and assessment narrative

Supporting Artifacts:

- Recorded explanations or interviews
- Written responses to student questions
- Clarification memos for major design decisions

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6. Validation & Evaluation

Validation Approach:

- Assess whether system behavior aligns with stated goals
- Evaluate student explanations for clarity and intent

- Review trade-offs made during development

Limitations Identified:

- Vision may evolve during implementation
- Time constraints may limit full realization
- Student interpretations may differ from original intent

Risk Assessment:

- Over-automation without consent
- Feature drift away from core values
- Misinterpretation of ethical boundaries

Mitigation occurs through early clarification and continuous dialogue.

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7. Reflection & Critical Analysis

Reflection Focus:
The Client / Stakeholder reflects on how effectively the vision translated into student work, how assumptions held up under implementation, and how interdisciplinary collaboration shaped outcomes.

Challenges & Resolutions:
Challenges may include balancing openness with clarity, allowing experimentation while preserving intent, and adapting vision to technical realities. Resolutions are documented to guide future iterations.

Impact on the Overall System:
This role ensures Lady Linux remains human-centered, ethically grounded, and meaningful beyond the classroom. It anchors the project’s identity.

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8. Future Work & Recommendations

Improvements:

- Refine vision documentation for future cohorts
- Identify areas needing deeper research or tooling
- Clarify boundaries for autonomous system behavior

Long-Term Relevance:
The Client / Stakeholder role enables Lady Linux to persist as a multi-semester, evolving open-source project rather than a one-off academic exercise.

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9. Documentation & Presentation

Documentation Standards:
All vision and guidance materials should be concise, accessible, and clearly distinguish intent from implementation.

Presentation Component:
The Client / Stakeholder participates in the final presentation by contextualizing student work within the broader vision and societal implications.

Assessment Alignment (Faculty Use)

- Clarity and consistency of vision
- Effectiveness of guidance and feedback
- Ethical framing and system alignment
- Contribution to student understanding
- Reflection quality and continuity support