# **PolyglotAI – Risk Log (v1)**

| **Risk ID** | **Description** | **Impact** | **Likelihood** | **Mitigation Strategy** |
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| R-001 | Multilingual embeddings may not perform equally well across English, Arabic, and French. | Medium–High | Medium | Benchmark candidate models with test prompts in all 3 languages before final choice. |
| R-002 | Cross-language retrieval may produce inaccurate matches (e.g., French query → Arabic doc). | Medium | Medium | Add cross-language test prompts to the test plan; refine embeddings or add translation fallback. |
| R-003 | Repo setup or environment configuration may delay development. | Low–Medium | Medium | Define a clear repo structure early and include requirements file (requirements.txt). |
| R-004 | Memory scope may be misunderstood or leak across chats. | Medium | Low | Implement strict per-chat memory boundaries and validate in testing. |
| R-005 | Time estimation risk: 2-week sprint may slip if embeddings/vector store evaluation takes longer. | Medium | Medium | Prioritize embedding and vector store decisions in Week 1 and timebox experiments. |