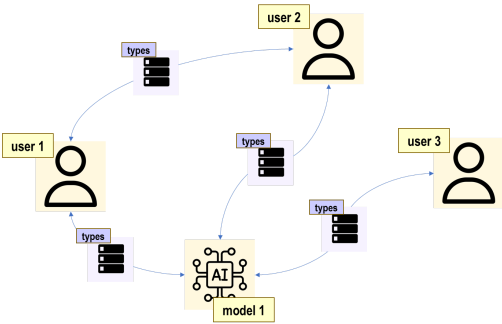




# Instructions - Description of Materials


- Human-AI interactions are interactions between **human users** and **AI models**
- Users and models can exchange model-based **types of information**



- User Cards:** describe (a type of) user based on their role in the interaction and their AI/domain expertise

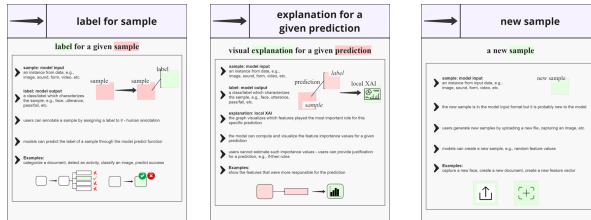
	U1: Manager		U2: Applicant
<p><b>Description:</b> A manager who uses the model to make decisions about the hiring process</p> <ul style="list-style-type: none"><li><b>Use Case:</b> CV recruitment</li><li><b>Role:</b> Manager</li><li><b>Expertise:</b> Domain (hiring) – No AI</li></ul>		<p><b>Description:</b> A (prospective) applicant who uses the model to assess or apply with their CV</p> <ul style="list-style-type: none"><li><b>Use Case:</b> CV recruitment</li><li><b>Role:</b> Applicant</li><li><b>Expertise:</b> None</li></ul>	
<p><b>Examples of interaction</b></p> <ul style="list-style-type: none"><li>uses model to make decisions about applicants</li><li>uses model to understand how it makes decisions</li><li>adjusts model based on new data or decisions</li></ul>		<p><b>Example of interactions</b></p> <ul style="list-style-type: none"><li>uses model to apply for a position</li><li>uses model to understand how it makes decisions</li><li>uses model to assess and improve their CV</li></ul>	

- Model Cards:** describe the model used in the interaction, including the model type and the model-specific types (input, output, feedback)

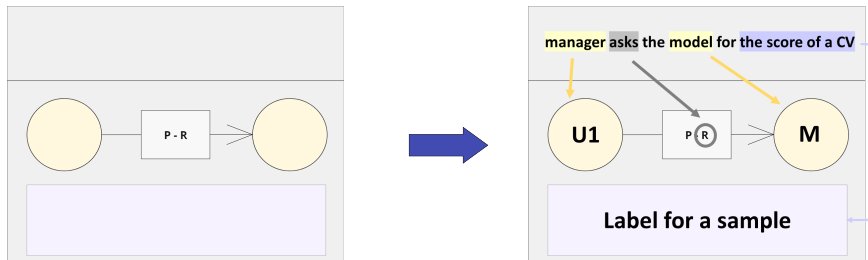
	Model M: CV-scoring
<p>A supervised ML model which predicts if a CV will be shortlisted or not, based on applicant's skills for a specific job application</p> <ul style="list-style-type: none"><li><b>Model type:</b> Support Vector Machine (SVM)</li><li><b>Model task:</b> Classification</li></ul>	
<div><div><p><b>model input</b></p><ul style="list-style-type: none"><li>research experience (0-5)</li><li>communication skills (0-5)</li><li>writing quality (0-5)</li><li>management skills (0-5)</li><li>technical skills (0-5)</li></ul></div><div><p><b>SVM</b></p></div><div><p><b>model output</b></p><p>decision: 0 (fail) - 1 (pass) probability: 0-100%</p></div><div><p><b>feedback/XAI</b></p><p>feedback: validation (yes or no) XAI: trust, global</p></div></div>	
<ul style="list-style-type: none"><li><b>Input:</b> CV as a feature vector (skills)</li><li><b>Output-Class:</b> Shortlisted or Not (0-1)</li><li><b>Output-Metric:</b> Probability of class</li><li><b>Feedback:</b><ul style="list-style-type: none"><li>local XAI: visualization for prediction</li><li>global XAI: visualization for model</li><li>validation: validate prediction (agree or not)</li></ul></li></ul>	

## Instructions - Description of Materials

- **Types of information:** There are 13 types of information that can be exchanged between users and models



- A **message** describes the communication between a sender and a receiver in the context of a use case (*User and Model cards*). The sender can provide a type to the receiver or request a type from the receiver



- A sequence of **messages** can describe an interaction scenario between specific users and models.

