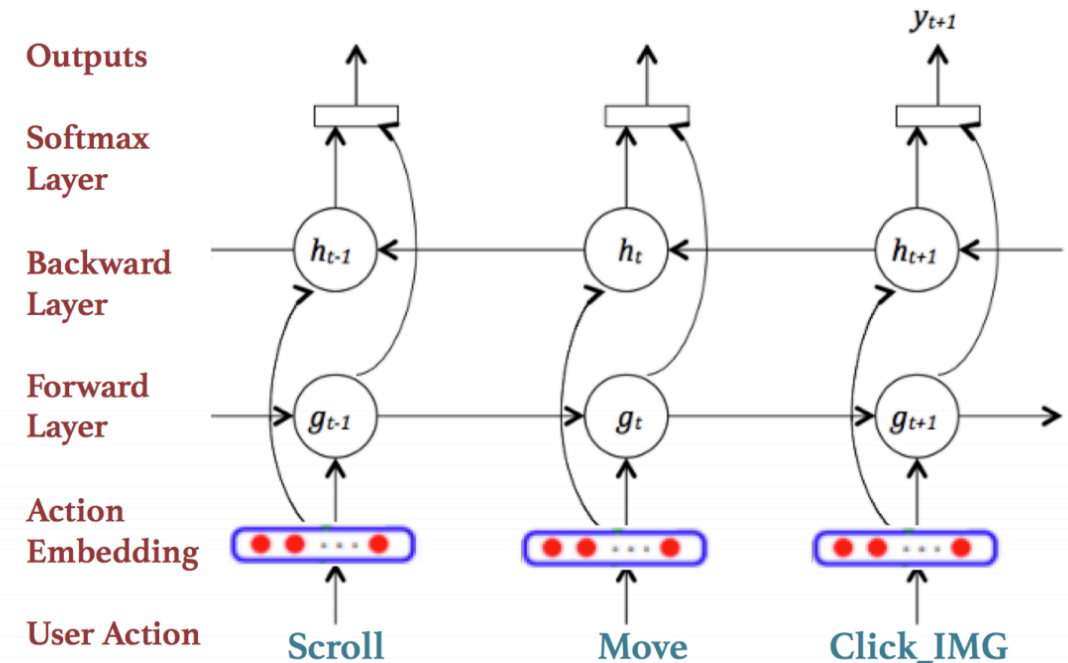




- Query level satisfaction
- Task satisfaction
- Sequence
- Action sequece + auxilily feature(traditionally used) = new model

# Query level satisfaction

- used feature (mouse click, dwell time)
- Sequence information (click->move->pause->click-> ...)
- Predict satisfaction using sequence of user action
- Using bi-lstm model



# Unified Multi-View Interaction Model

- traditionally used static features and implicit signals

Feature Set	Feature List
Temporal Signals	Page dwell time
	Reading time per pixel
	Viewport time per instance
	Time to first pointer event
	Time to first scroll event
Click based Signals	Total click count
	Algo click count
	Answer click count
Scroll & Pointer Signals	Total scroll count
	Pointer horizontal distance
	Pointer vertical distance
	Pointer event count
	Scroll Up count
	Scroll down count
	Viewport direction changes

# Unified Multi-View Interaction Model

