# Diagram



Agent → Controller: Initiate run

Controller ⇢ Database: Create unpredicted run

Agent → Controller: Get predicted order

Controller → Database: Fetch order from the database

**Prediction**

Predictor → Database: Fetch unpredicted runs

Database ⇢ Predictor: Unpredicted run

Predictor: Predict order for every algorithm

Predictor → Meta predictor: Determine preferred predictor

Meta predictor → Predictor: Return final prediction

Predictor → Database: Save predictions

Database ⇢ Controller: Predicted order

Controller → Agent: Predicted order

Agent: Execute tests in order

Agent: Process coverage per test case

Agent → Controller: Send results execution times

**Update Meta Predictor**

Controller ⇢ Meta predictor: Score predictions

Meta predictor → Database: Get current scores

Database → Meta predictor: Return scores

Meta predictor: Rank performance

Meta predictor ⇢ Database: Save new scores