

The propounded work deals with collecting recipes from the Internet, their storing into database and consequential retrieval of these recipes according to user's criteria. Recipes can be obtained based on patterns described by regular expressions, or by using automatic recognition mechanism. For each obtained recipe there are identified its ingredients, their amount and activities required to complete this recipe. Preparation time is automatically estimated, if not already present. There is also mechanism that prevents same recipe to be stored repeatedly into database. For recipe retrieval, there are designed rules for ingredient matching that supports semantic affinity (doughnut – pastry), semantic divergence for similar ingredients (ice – ice cream) and simple way of taking specified amount in relation to the required into account. On the basis of this matching rules are created three user selectable criteria for determining relevance. User and programmer documentation is part of this work.