

Number of received e-mail messages is growing explosively which forces users to classify them into several categories. In the presented work we introduce a tool called Apofis, which helps users to automate their routine every-day work with IMAP mailbox by sorting new messages for them and also by step-by-step creating of new rules based on their behaviour, while it still lets the user create, edit or delete the rules and thus affect the process of sorting and learning effectively. Two-level system of sorting rules is introduced – final rules, which the application uses to sort, and potential rules, which have been created according to user's behaviour and are waiting for more successes to prove their usability. Two potential rule learning algorithms were designed – the basic algorithm, fast but not accurate for some cases, and the advanced algorithm, which improves the accuracy by creating a new rule based on condition relevances determined from the organization of the whole mailbox. This thesis contains the most important facts and decisions about the design and implementation of the application and its algorithms.