Gaze-tracking Programmers' Activities PeWe@FII1 in Web Browser: Revisitation and more Author: Miroslav Hurajt Supervisor: Ing. Martin Labaj 58% - Analysis of programmer activities during solving task 47% Revisitation rate computed by conventional method **Conventional revisitation** - More accurate results of (based on page loadings) is equal to 58%. We have also Effective revisitation computed revisitation rate based on real page seeing revisitation rate computation - Executed experiments in UX lab determined by the eye-tracking device and class (12 participants) (effective revisitation). This revisitation is equal to 47% - Study in Mozilla Firefox and provides more accurate results in computing revisitation values because of revisitation rate overcounting. - The main reasons of higher revisitation rate values were: the comparison of 2 web pages and revisitation of tab by mistake Task: - Less than 5% of all navigation actions were made by keyboard implementation of binary search tree. shortcuts Average solving **IAVA** time was 44 PHP Programmer motivations to search the web: minutes. Average of different visited - To find an existing solution of their task web pages For code learning and documentation lookup Average time spent with browsing during task 3.8% the web being 13.8% of total time - Due to lack of information on how spent with solving the task.

binary search tree works

solving was 13.