

ABSTRACT

**METHOD, ELECTRONIC APPARATUS, SYSTEM, AND
STORAGE MEDIUM FOR AUTOMATED TESTING OF
APPLICATION USER INTERFACE**

The present disclosure provides a method for automated testing of an application user interface, being implemented in an electronic apparatus, including: dividing a frame of a testing software application of an application user interface into a business requirement layer, a method definition layer, and a method implementation layer; when receiving a name modification request of modifying a name of one of the function controls, determining the process definition corresponding to the modified name according to the business requirement layer and the method definition layer; searching for a block of instructions corresponding to the determined process definition according to the method implantation layer; and searching for another name belonging to the same synonymous name set as the modified name in the found block of instructions, and replacing the found another name with the modified name. The method further provides an electronic apparatus, a system, and non-volatile storage medium for automated testing of application user interface. With the present disclosure, rewriting of codes for automated testing can be prevented when new requirements appear or the software is updated.

Figure 4