**Java-Documentation**

Members:

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Task distribution:

Gökhan Yeltekin:

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Architecture of the application:

The program starts with a login window, where you can choose between a nurse and a doctor. After that you have to enter a password and click on the login button.

Now you can see all the existing patients. You can delete patients or create new patients. To delete a patient you must select a patient and then click on the “Delete Patient” button.

If you want to create a new patient, just click on the new patient button. Now a new window will pop up. Here you have to fill in the data about the patient like name, birthday, age, address, gender, phone and problem. If you choose the option outpatient, the patient will not be assigned a room. If you choose the option inpatient, the patient will be assigned a room. At the tab doctors you also can delete a doctor by selecting a doctor and click on “Delete Doctor”. To create a new doctor, you have to click on the button “New Doctor”. Here you have to fill in the data like name, birthday, age, gender, address and phone. The same goes for the nurses. You also can delete a nurse by selecting a nurse and click on “Delete nurse”. To create a new nurse, you have to click on the button “New nurse”. Here you have to fill in the data like name, birthday, age, gender, address and phone. At the task vitals a nurse or a doctor can see the body temperature, blood pressure, pulse rate and the breathing rate. At the tab Alert you can see if a patient have dangerous vital values. If a patient dies a message will pop up and the values freezes.

Description of any 3rd party library used in the project:

For our project we used jgoodies-1.9.0, window builder 1.9.0, LGoodDatePicker 8.3.0 and sqlite-jdb-3.15.1. We used jgoodies-1.9.0 to get our layout to implement consistent Swing panels fast.

With the window builder 1.9.0

Milestones of the project:

Description of the GUI: