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Project - Technical Documentation

Activity Classes

- AgentDetailActivity
    This class creates an instance of the the agents' details. It contains: profileImage, profileName, profileLevel, profileAgency, profileAgencyWeb, profileCountry, profilePhone, profileAddress. Also, there are two buttons: one is to show the information (buttonInfo) and the other is the go back to the previous activity (buttonBack).

- AgentListActivity
    This class shows a list of the registered agents by loading all the data from the database.

- CreateAgentActivity
    This class has the ability to create a new agent from scratch. In this activity, the user can define the new agent's image, level, agency that he/she is going to work for, country. After that, the user can cancel the creation of the agent by pressing the cancel button or can save it by pressing the save button.

- LoginActivity
    This is the very first activity when launching the application. It asks the user to enter with a valid credential (username and password) so the access to the application can be granted.

- MenuActivity
    This activity is called as soon as the user enters its credentials. Here, the user can see a list of agents, a list of missions, is allowed to create an agent and/or a mission. After the user finishes using the application, he/she can log out from the application by pressing the logout button.

- MissionListActivity
    This activity lists the existing missions by loading it from the database. It is possible to delete a mission if needed as well.

Adapter Classes

- AgencyAdapter
    This adapter creates a drop down view for the agency.

- AgentAdapter
    This adapter sets the data to the agents.

DAO Classes

- AgencyDAO
  Creates the Agency table. Its columns are: id, name and website.

- AgentDAO
  Creates the Agent table. Its columns are: id, name, agencyId, country, phone, address, photo, username, password and level.

- DatabaseHelper
  Creates the database itself. Inside it, the created tables are: Agency, Agent, Mission and Mission Agent.

- DatabaseManager
  Here, we get the instance of the database, open the connection user the openDatabase method and close the connection using the closeDatabase method.

- MissionAgentDAO
  Creates the MissionAgent relationship table. It contains an unique id, a foreign key missionId and a foreign key agentId.

- MissionDAO
  Creates the Mission table. Its columns are: id, name, date and status.

Helper Classes

- AgentHelper
  This class assists in providing functionalities to the Agent class.

- MissionHelper
  This class assists in providing functionalities to the Mission class.

Model Classes

- Agency
  Creation of the agency model. Each agency contains one unique id, a name and a website.

- Agent
  Creation of the agent model. Each agent contains one unique id, a name, an agencyId (to be referred to), country, phone, address, photo, username, password and level.

- Mission
  Creation of the mission model. Each mission has an unique id, a name, a date and a status.

- MissionAgent
  Creation of the MissionAgent model. This class joins both missionId and agentId and also has an unique identifier.

Layout

- activity_agent_detail.xml
    Layout of the AgentDetailActivity.

- activity_agent_history.xml
    Layout of the AgentHistoryActivity.

- activity_agent_list.xml
    Layout of the AgentListActivity.

- activity_create_agent.xml
    Layout of the CreateAgentActivity.

- activity_login.xml
    Layout of the LoginActivity.

- activity_menu.xml
    Layout of the MenuActivity.

- activity_mission_form.xml
    Layout of the MissionFormActivity.

- activity_mission_list.xml
    Layout of the MissionListActivity.

- listitem_agency.xml
    Layout of the Agency's List Item.

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