



LARVA

ARCHITECTURAL MASTER PLAN

March 2022

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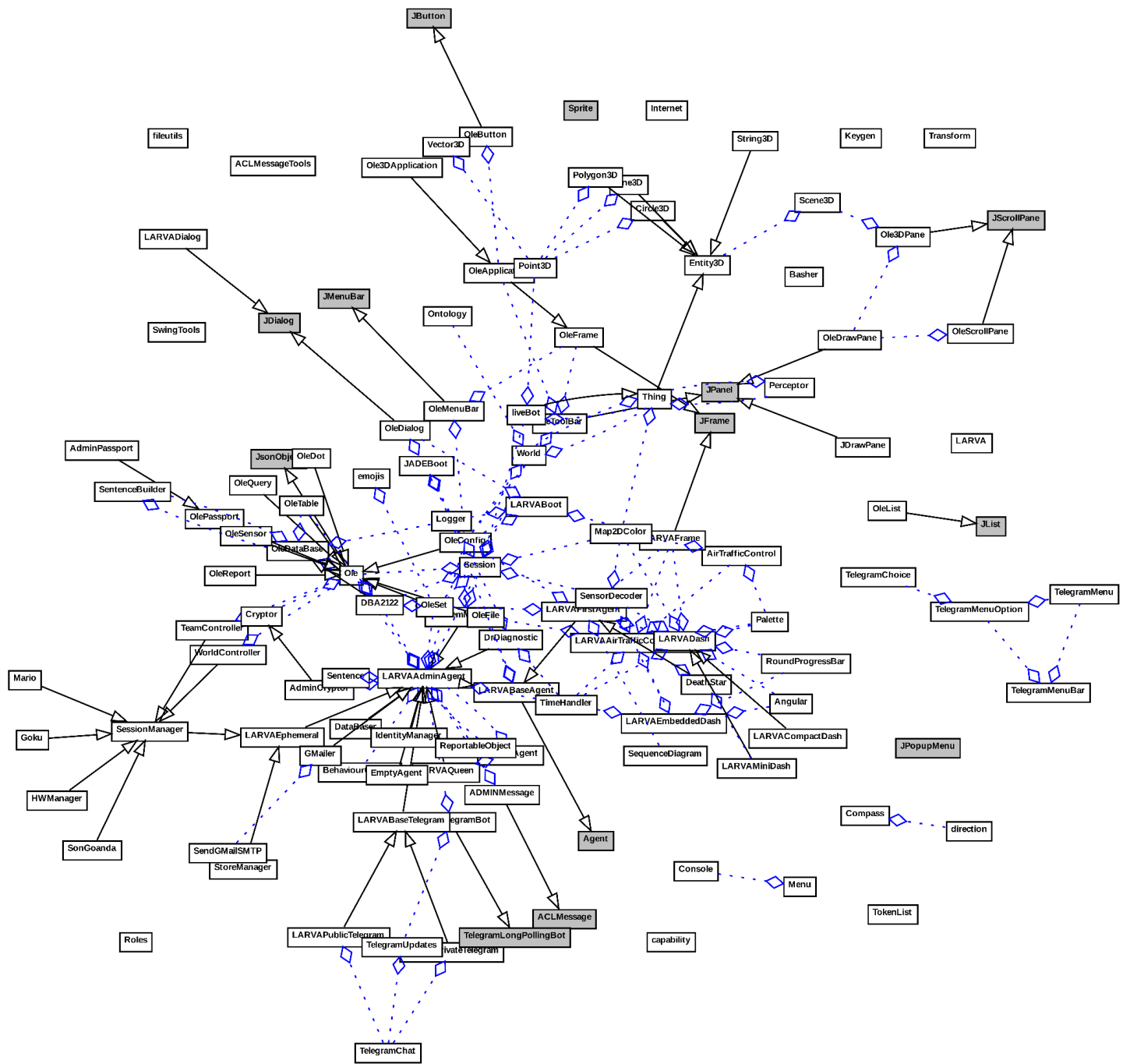
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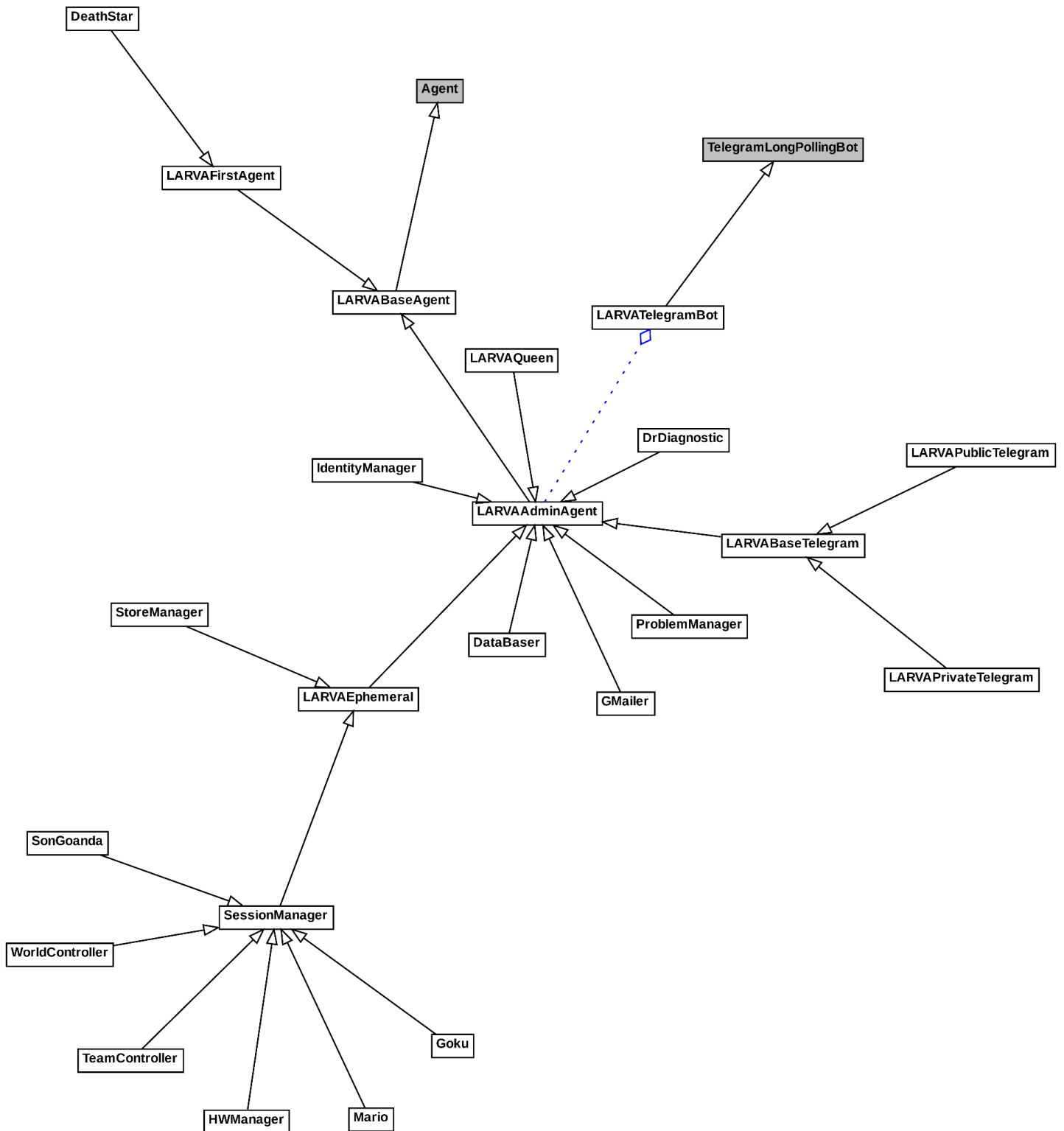
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General layout of classes



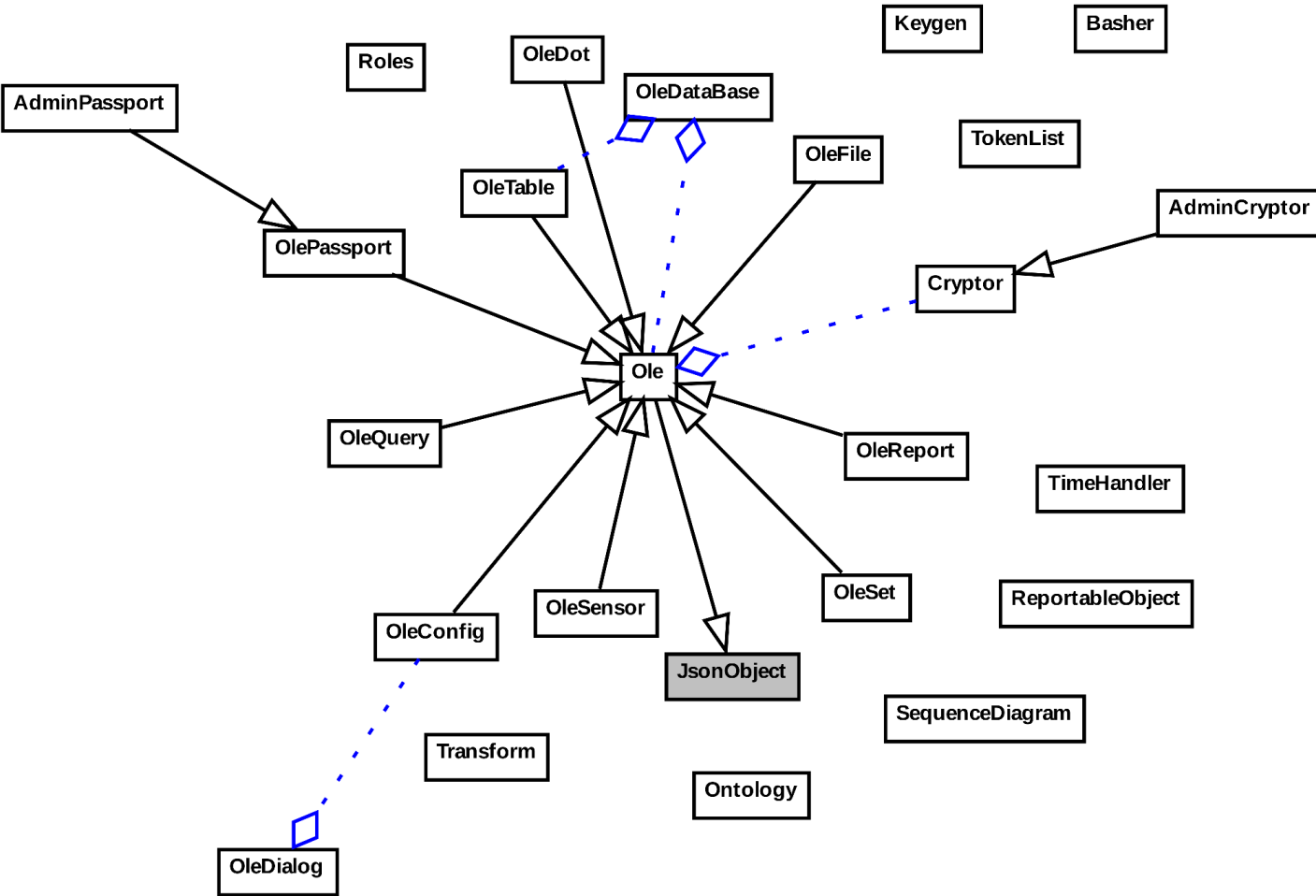
Core classes

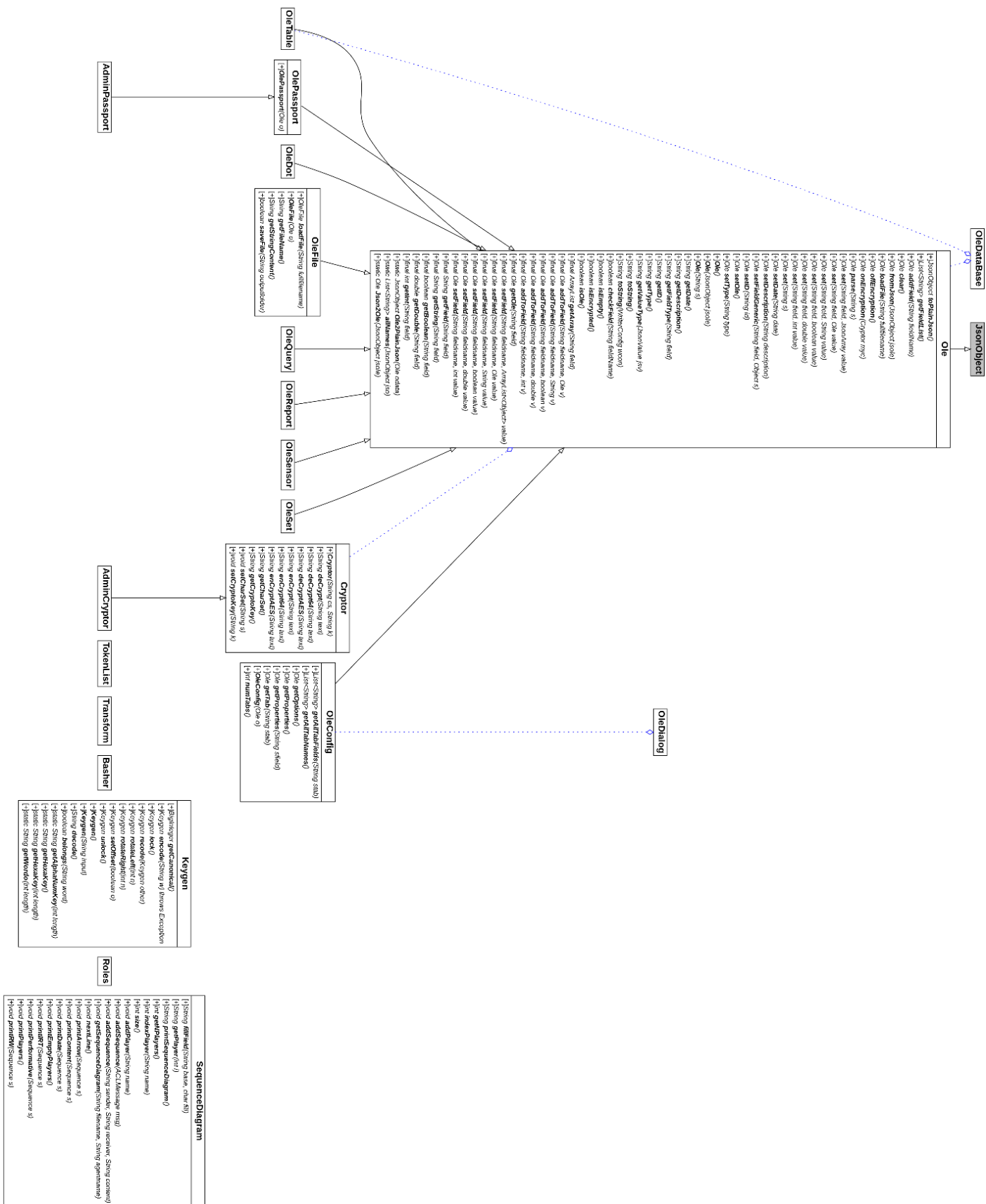
Agents



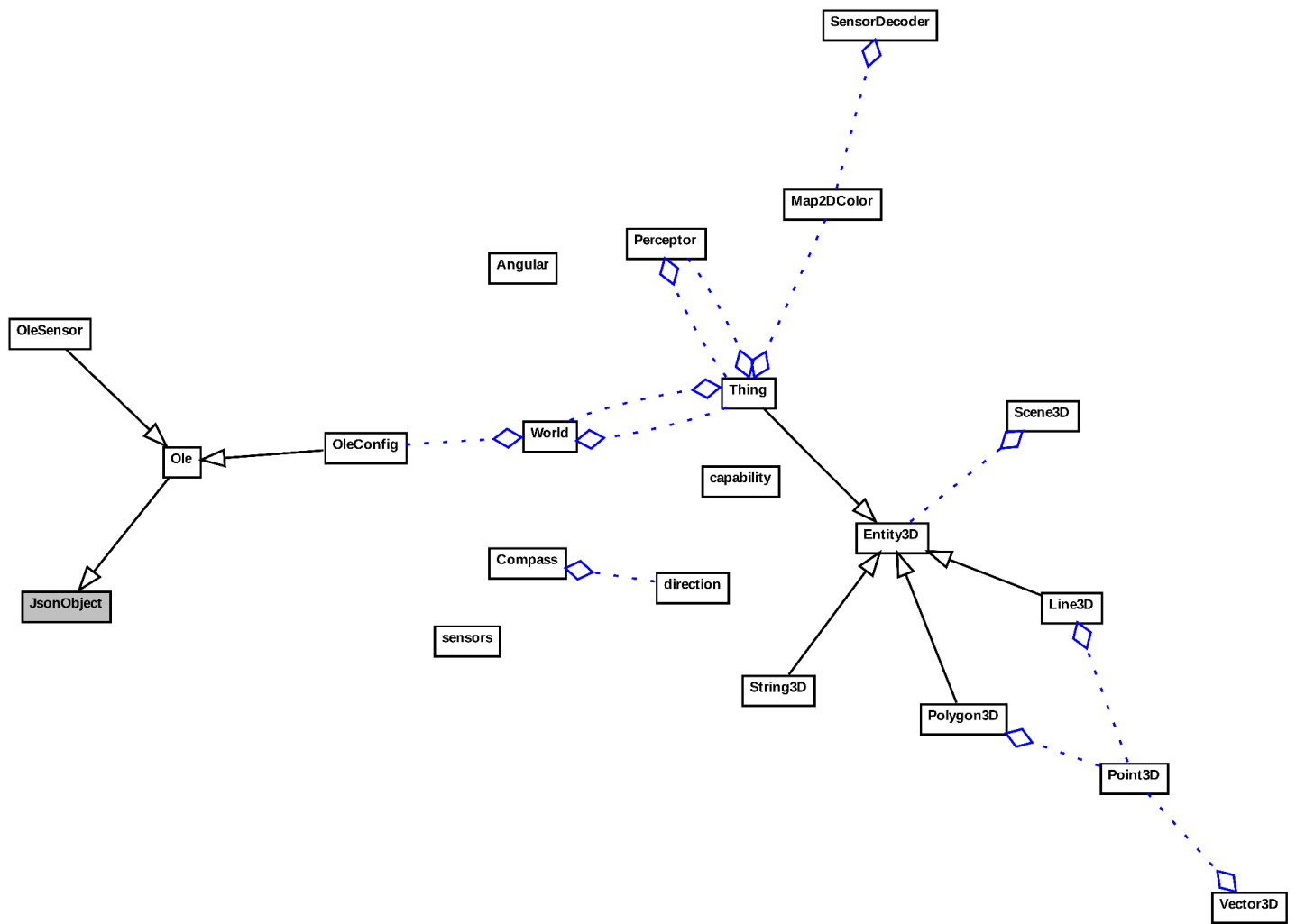


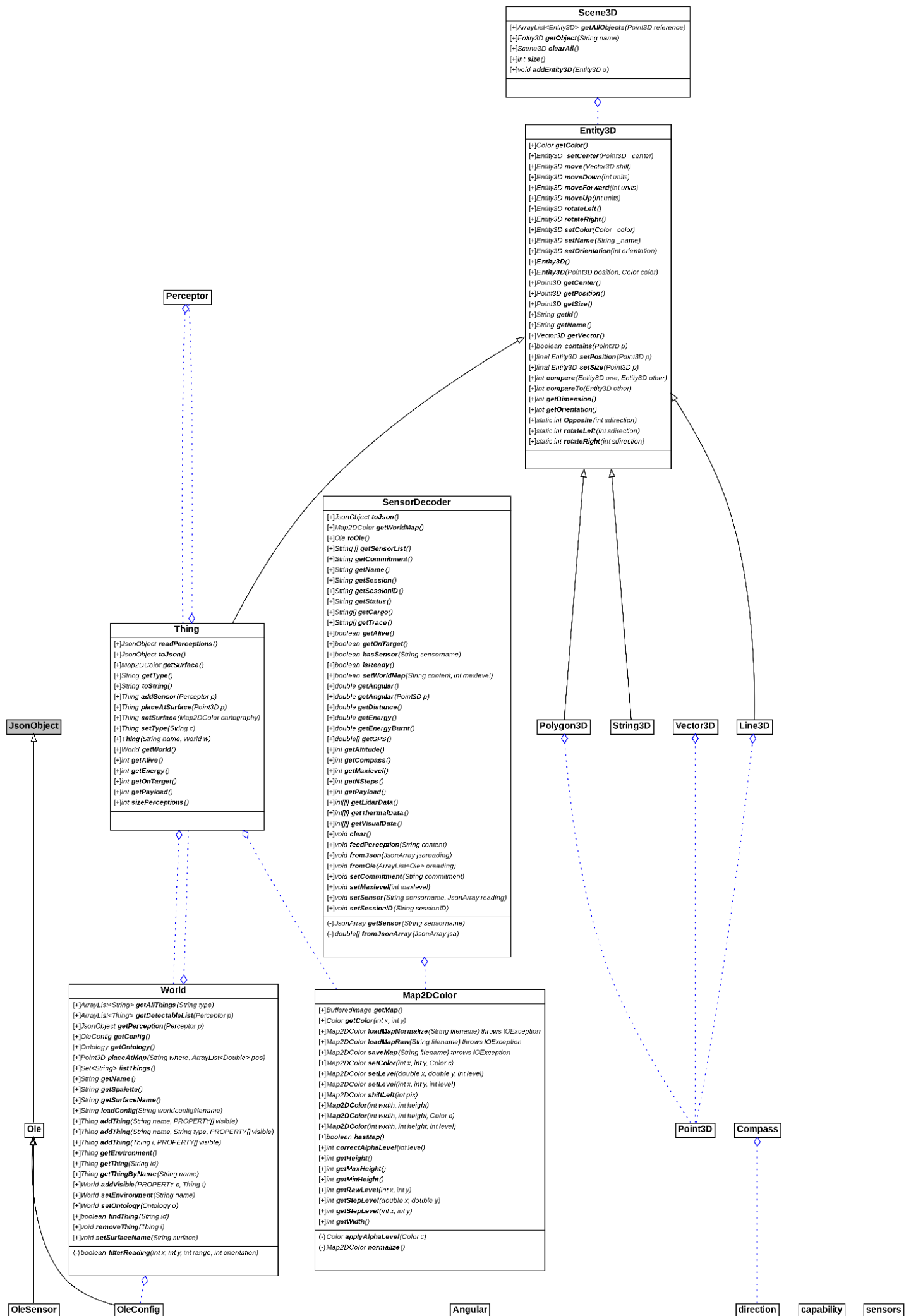
Data management



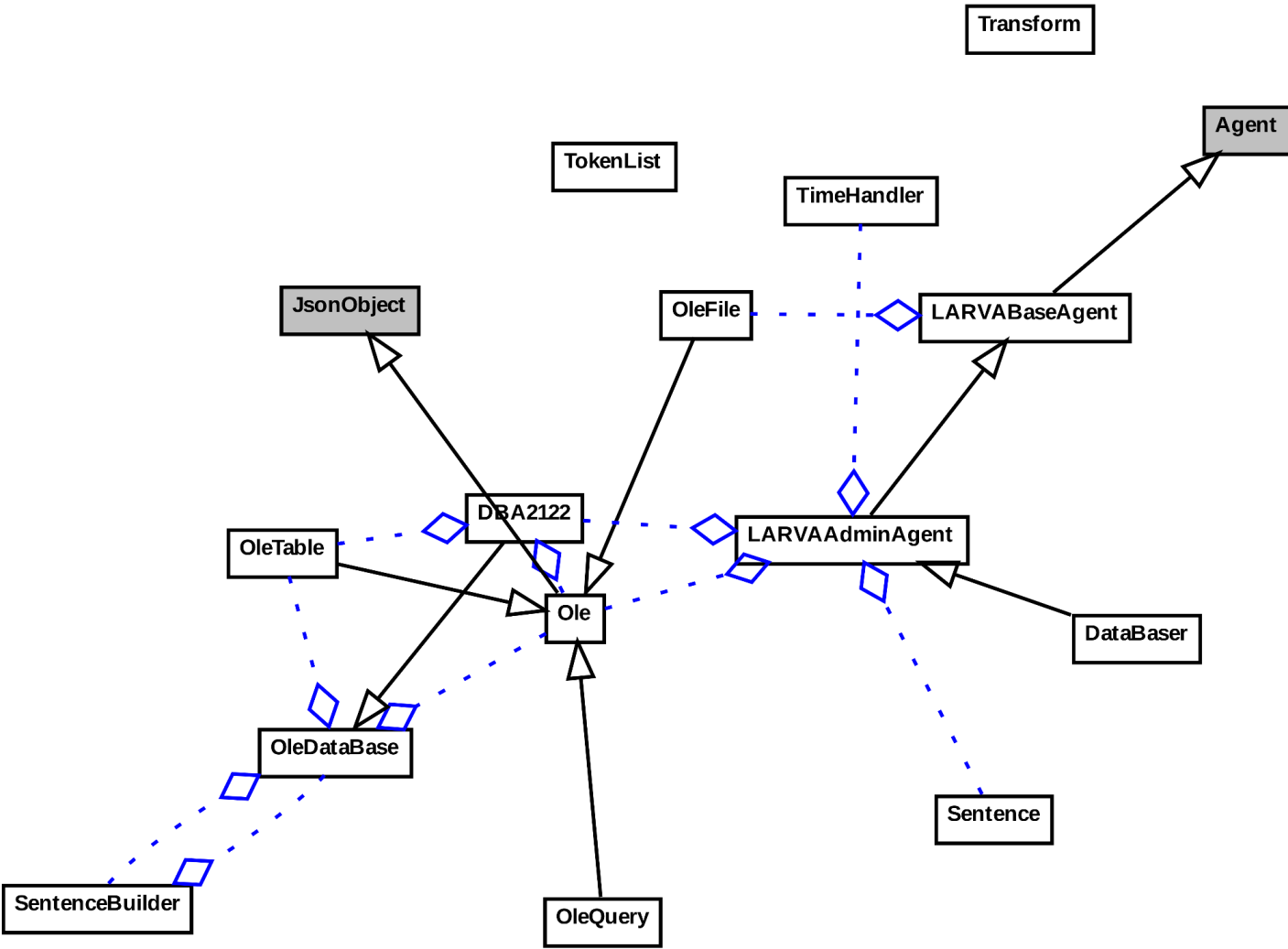


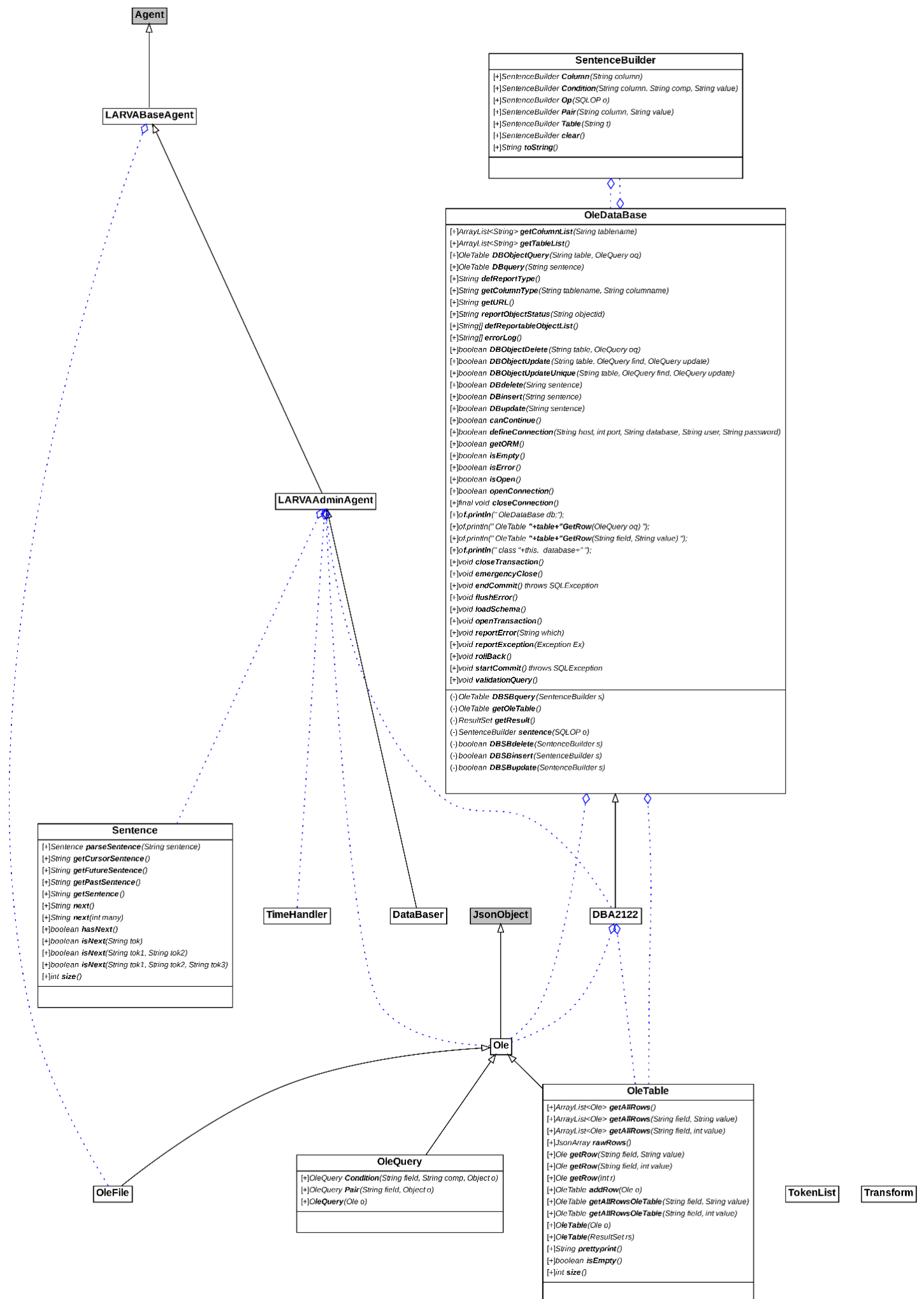
World, Geometry and Perception





Backend





DBA2122

[+]ArrayList<Long> **DBGetAllChatsSubscribedTelegram**()

[+]DBA2122 **cacheTables**()

[+]Ole **DBGetAllUsersCID**(long cid)

[+]Ole **DBGetAssignment**(int assignmentID)

[+]Ole **DBGetCourse**(int courseID)

[+]Ole **DBGetGroup**(int groupID)

[+]Ole **DBGetMilestone**(String milestoneID)

[+]Ole **DBGetProblem**(int problemID)

[+]Ole **DBGetUser**(int userID)

[+]Ole **DBGetUserCredentials**(int userID)

[+]Ole **DBGetUserGroup**(int userID)

[+]OlePassport **DBGetPassport**(int userID)

[+]OleSet **DBGetAssignmentMilestones**(int assignmentID)

[+]OleSet **DBGetAssignmentUserMilestones**(int userID, int assignmentID)

[+]OleSet **DBGetCourseMilestones**(int courseID)

[+]OleSet **DBGetCourseUserMilestones**(int userID, int courseID)

[+]OleSet **DBGetProblemGroupMilestones**(int groupID, int problemID)

[+]OleSet **DBGetProblemMilestones**(int problemID)

[+]OleSet **DBGetProblemUserMilestones**(int userID, int problemID)

[+]OleSet **DBGetUserNotifications**(int userID)

[+]OleTable **DBGetAllAgents**()

[+]OleTable **DBGetAllBannedAgents**()

[+]OleTable **DBGetAllExceptions**()

[+]OleTable **DBGetOpenSessions**()

[+]OleTable **DBGetSession**(String sessionID)

[+]OleTable **DBGetUserFellows**(int groupID)

[+]OleTable **DBGetUserSession**(int userID)

[+]String **DBAssignAlias**(int userID)

[+]String **DBBannedUntilAgent**(String agentname)

[+]String **DBGetFreeALias**()

[+]boolean **DBDoCheckInAgent**(String agentname, int userID)

[+]boolean **DBHasUserNotifications**(int userID, String noti)

[+]boolean **DBIsChatSubscribedTelegram**(long cid)

[+]boolean **DBIsSessionOpen**(String sessionID)

[+]boolean **DBIsUserSubscribedTelegram**(int userID)

[+]int **DBGetAgentID**(String agentName)

[+]int **DBGetAssignmentID**(String name)

[+]int **DBGetProblemID**(String problemName)

[+]int **DBGetUserCourse**(int userID)

[+]int **DBIsCheckedInAgent**(String agentname)

[+]int **DBWhoCheckedInAgent**(String agentname)

[+]long **DBGetUserCID**(int userID)

[+]void **DBActivateUserNotifications**(int userID, String subscription)

[+]void **DBAddException**(String agentName, String title, String description)

[+]void **DBAddGroupMilestone**(int userID, int problemID, String milestoneID, String sessionID, String date)

[+]void **DBAddUser**(int userID, String name, String email)

[+]void **DBAddUserMilestone**(int userID, int problemID, String milestoneID, String sessionID, String date)

[+]void **DBCleanProblemUserMilestones**(int userID, int problemID)

[+]void **DBCclearExceptions**()

[+]void **DBCcloseSession**(String sessionID)

[+]void **DBDeleteChatUserID**(int userID)

[+]void **DBDoBanAgent**(String agentname, String bannedUntil)

[+]void **DBDoCheckInAgent**(String agentname, int userID, String container)

[+]void **DBDoCheckOutAgent**(String agentname)

[+]void **DBFreeALias**(String alias)

[+]void **DBOpenSession**(int userID, String agentName, int problemID, String sessionID)

[+]void **DBRemoveUserNotifications**(int userID, String subscription)

[+]void **DBUndoBanAgent**(String agentname)

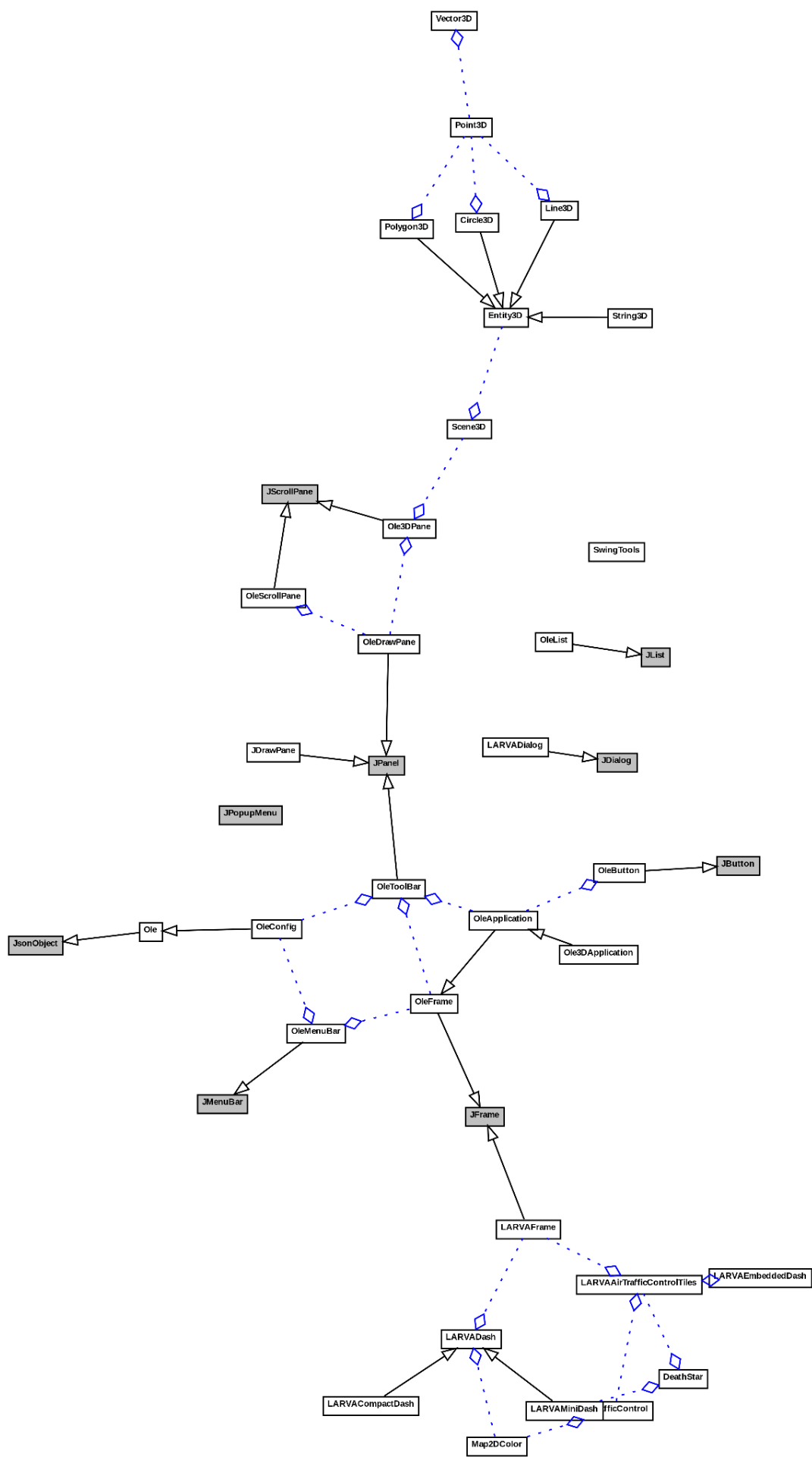
[+]void **DBUpdateChatUserID**(int userID, long cid)

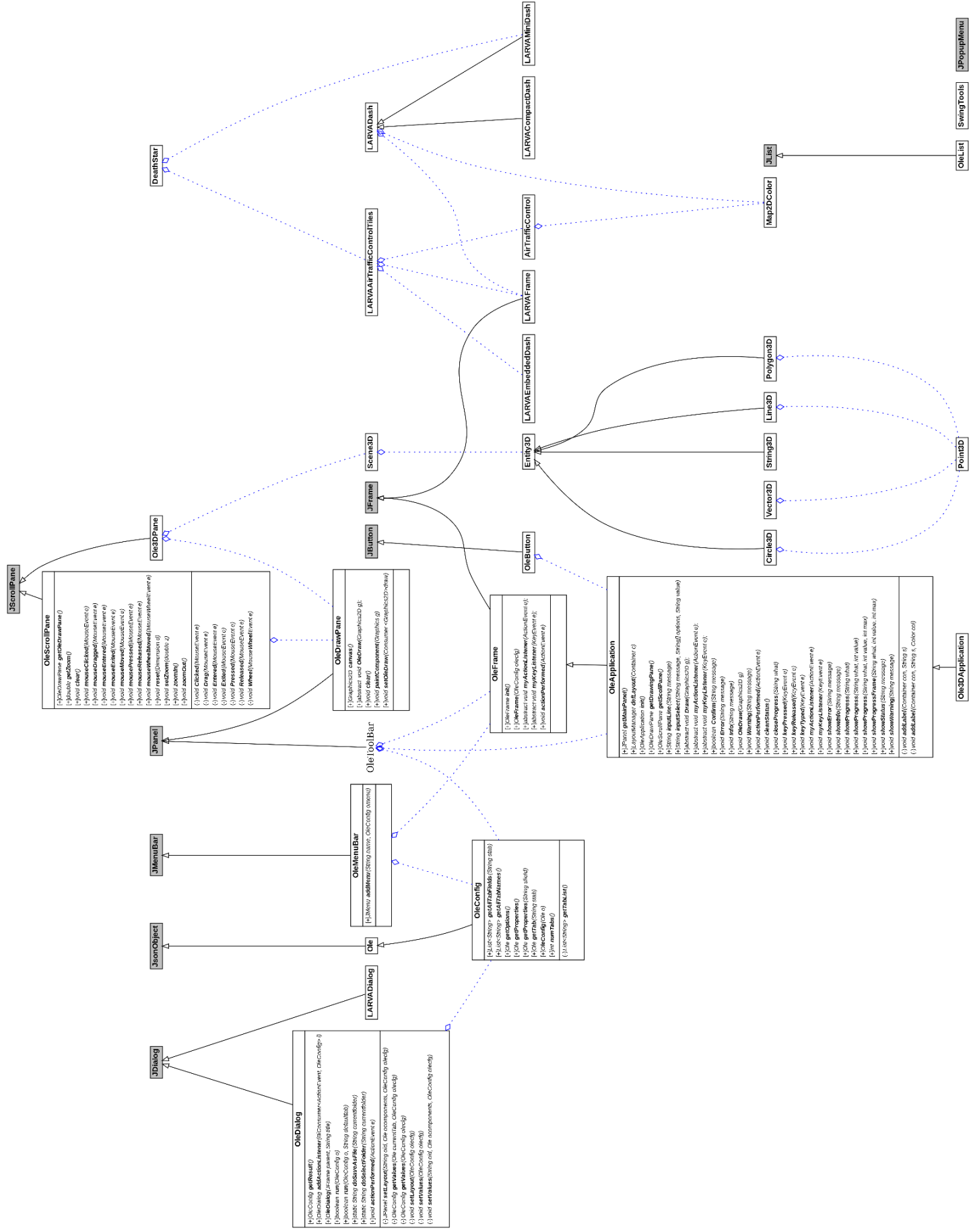
[+]void **DBUpdateStatisticsSessionSession**(String sessionID, OleQuery update)

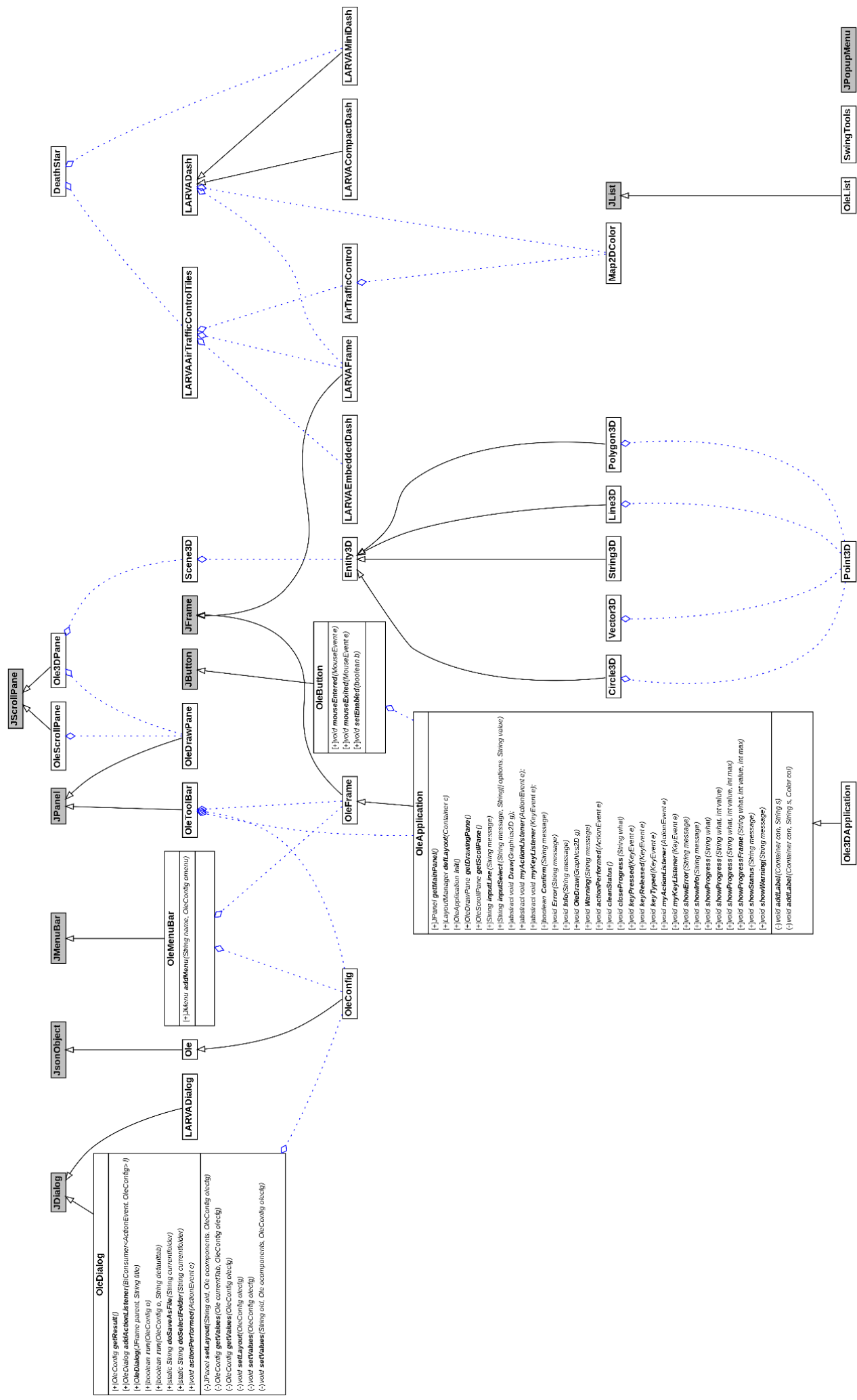
[+]void **addUserToGroup**(int userID, int groupID)

[+]void **clearGroup**(int groupID)

Swing support







Students connection

