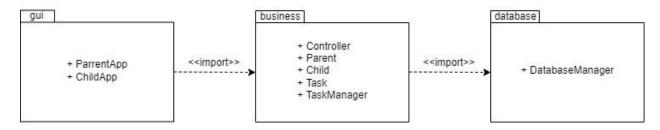
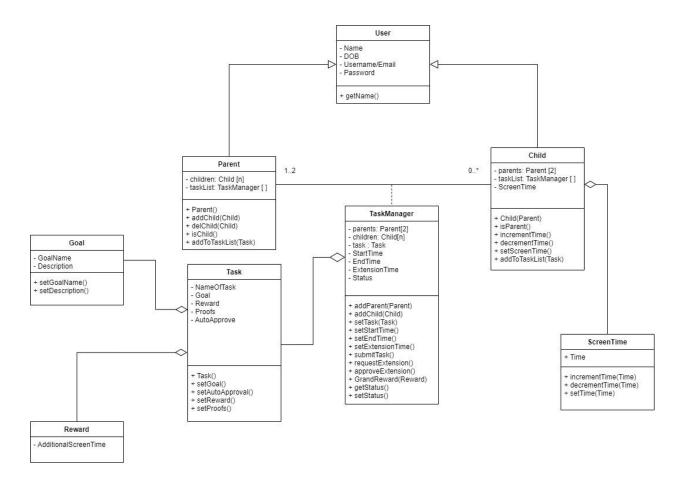
Team members:

- Cheng, Aaron
- Howell, Alexander
- Little, Andrew
- Nguyen, Trung

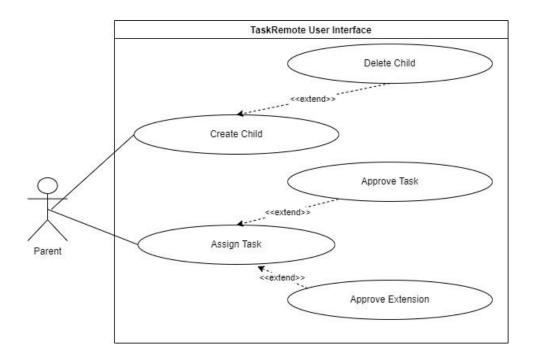
1. Package Diagram

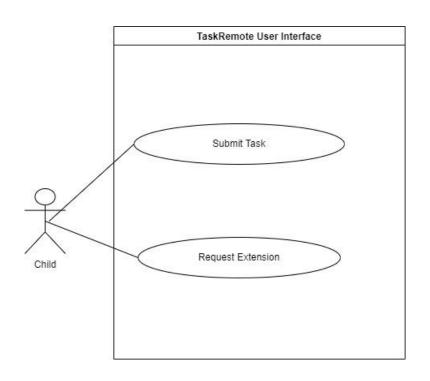


2. Class Diagrams



3. Use Case Diagram

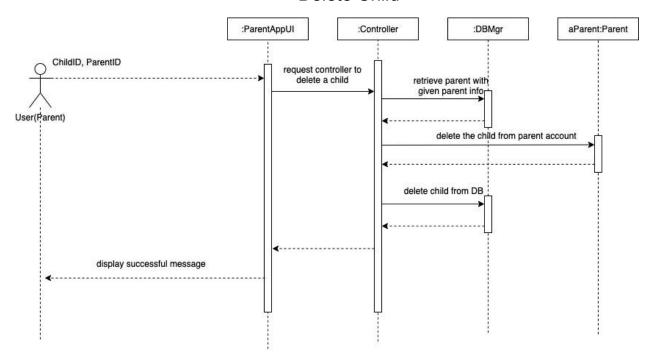


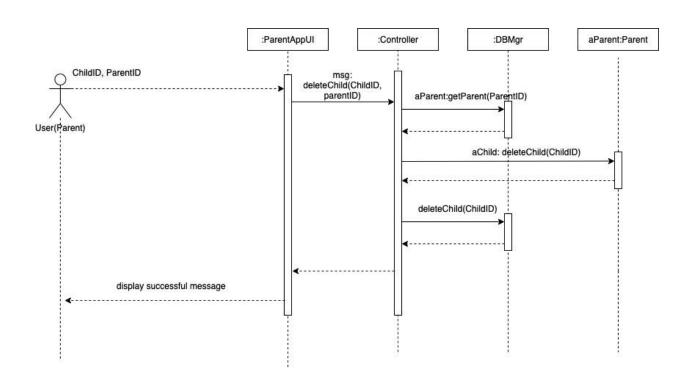


4. Interactive Diagrams (Analysis and Design Sequence Diagrams)

Create Child :ParentAppUI :DBMgr aChild:Child aParent:Parent nsg:createChild(ChildID, ParentID, childGender, childDOB) ChildID, ParentID, PIN, childGender, childDOB aParent:getParent(ParentID) User(Parent) achild: createChild(ChildID, childGender, childDOB) aParent.addChild(aChild) aChild.addParent(aParent) UpdateUser(ParentID) AddUser(aChild) <<msg>>> :ParentAppUI :DBMgr aParent:Parent aChild:Child :Controller ChildID, ParentID, PIN, childGender, child DOB request controller to create child retrieve parent account with parent info User(Parent) create a child with given child info add child to parent's child list add parent to child's parent list Update Parent to DB Add Child to DB display successful msg

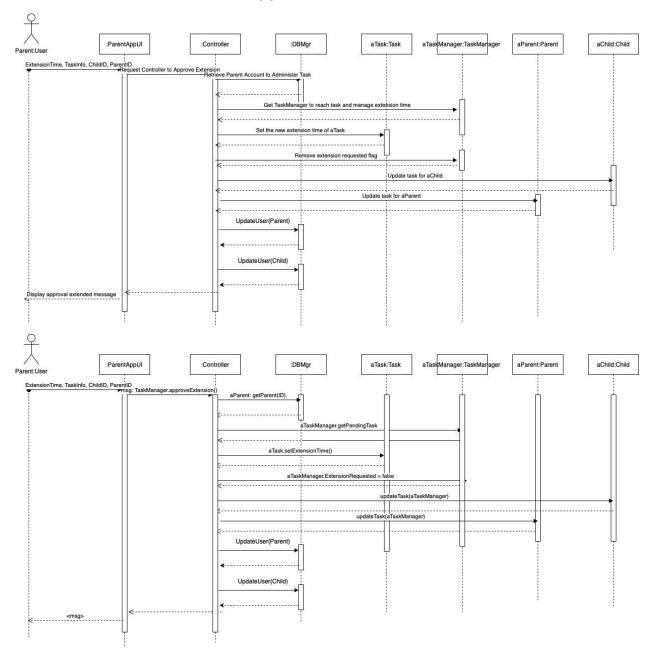
Delete Child



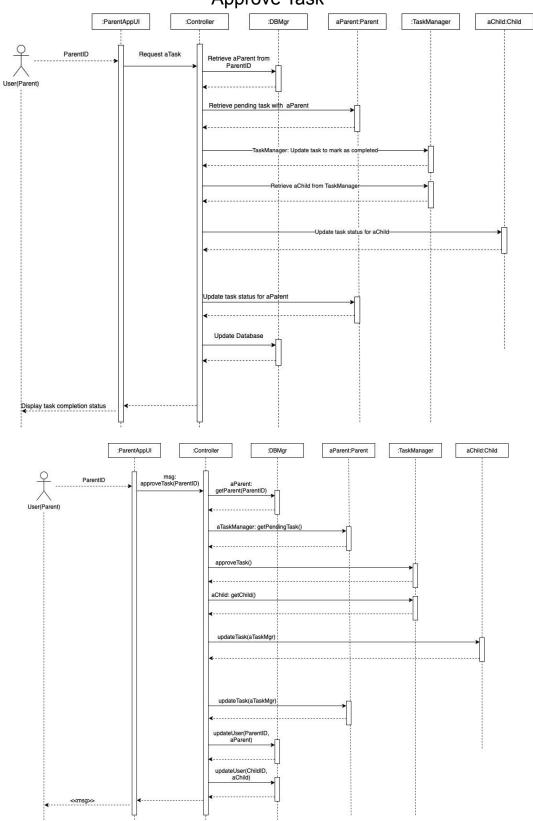


Assign Task :ParentAppUI :Controller aParent:Parent :TaskManager aChild:Child request controller to assign a task TaskInfo, ChildID, ParentID retrieve parent account with given info User(Parent) get child account with given child id create a task with given info create a task manager associated with parent, child, and task add task manager to the child account add task manager to the parent account update parent to DB update child to DB display successful msg :ParentAppUI :Controller :DBMgr aParent:Parent :TaskManager aChild:Child TaskInfo, ChildID, ParentID aParent: getParent(ParentID) User(Parent) aChild: getChild(ChildID) aTask: createTask(TaskInfo) aTaskManager: createTaskManager(aParent, aChild, aTask) updateUser(ParentID, aParent) <msg>>

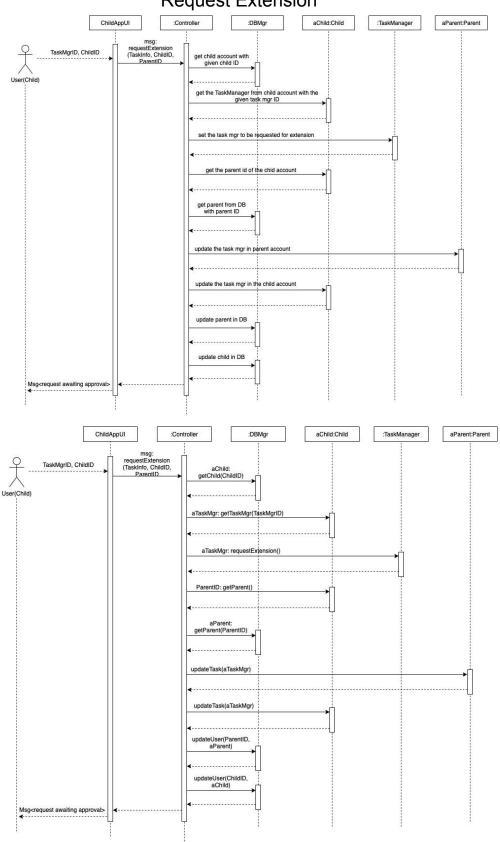
Approve Extension



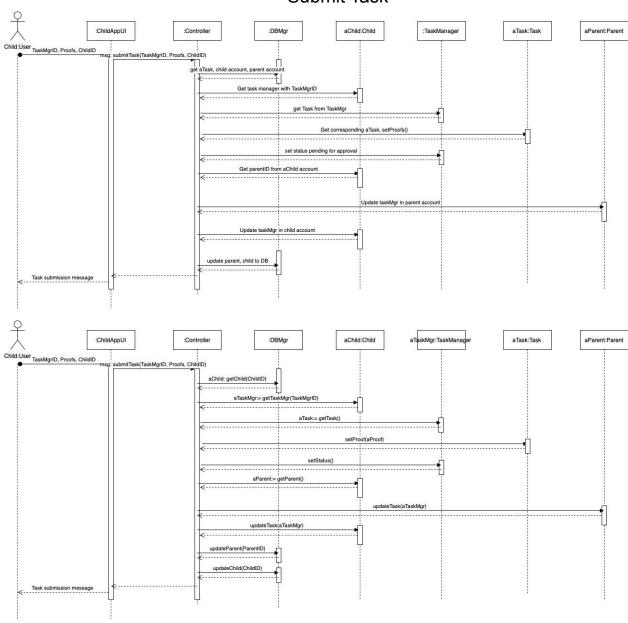
Approve Task



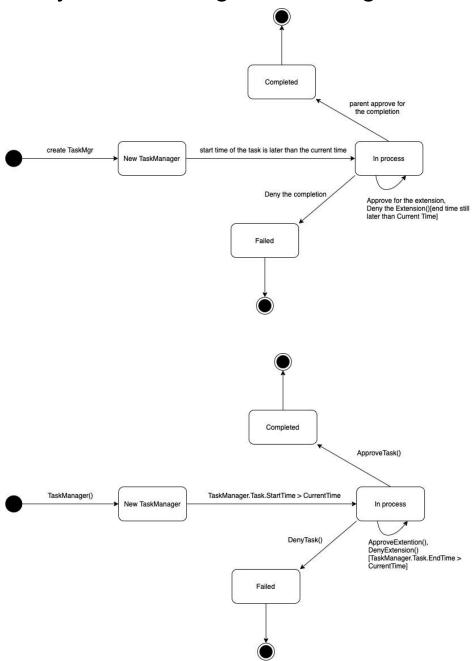
Request Extension



Submit Task



5. Analysis and Design State Diagrams



6. Activity Diagrams

