PhoneMe

软件设计文档

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1、引言

1.1 编写目的

本文档对 PhoneMe 软件功能进行了详细的描述,对具体功能进行了设计,使项目策划、设计和评审人员能够对项目有比较深的认识和了解。

1.2 项目背景

1.2.1 项目编号

200903001

1.2.2 软件名称

PhoneMe 基于 Java 语言的单机版个人通讯录

1.2.3 任务提出者

《软件工程》课程

1.2.4 开发者

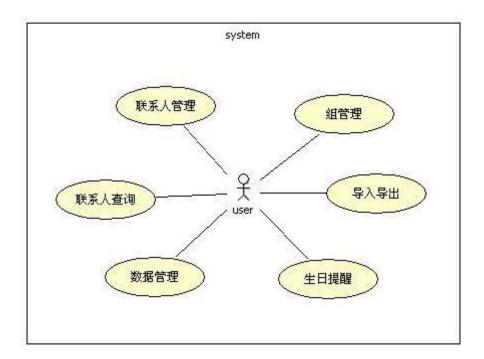
kde9 开发小组

1.3 参考文献

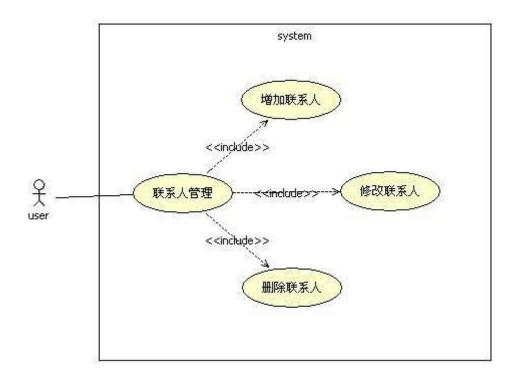
- 1.3.1 PhoneMe 需求文档_kde9.pdf
- 1.3.2 2005011301_177473_848803779_iWallet 设计文档 2.0_820204417.pdf
- 1.3.3 Roger S.Pressman 著,梅宏译,《软件工程——实践者的研究方法》,机械工业出版社,2002 年

2、用例图

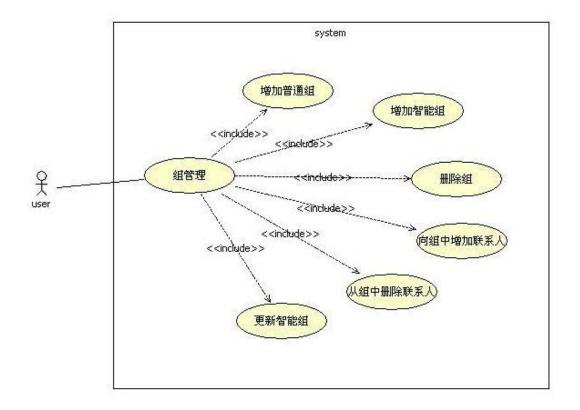
2.1 整体系统



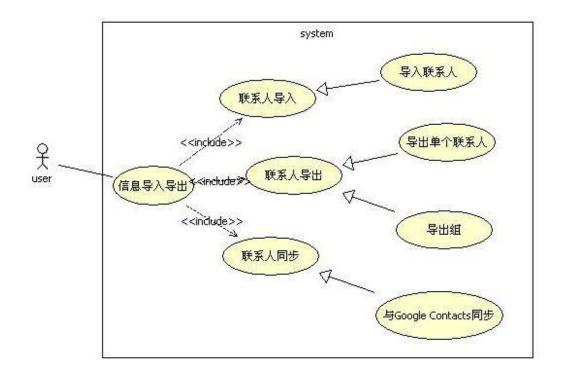
2.2 联系人管理



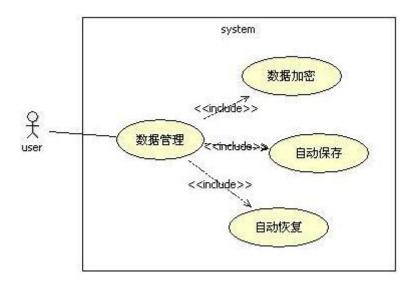
2.3 组管理



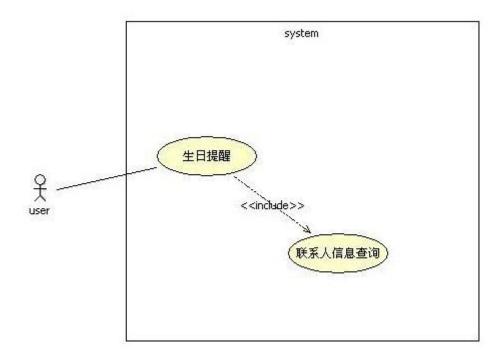
2.4 导入导出



2.5 数据管理



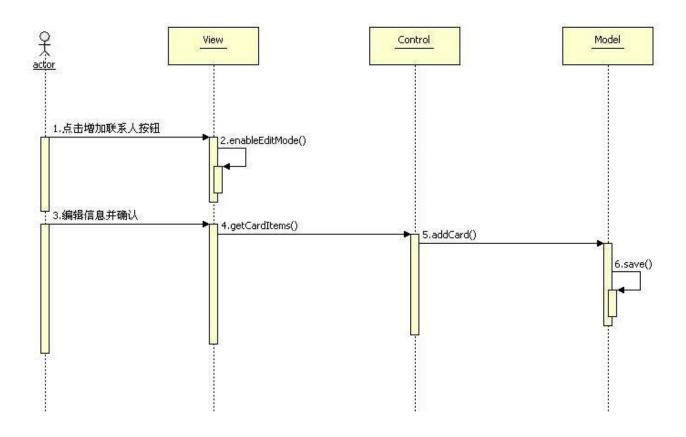
2.6 生日提醒



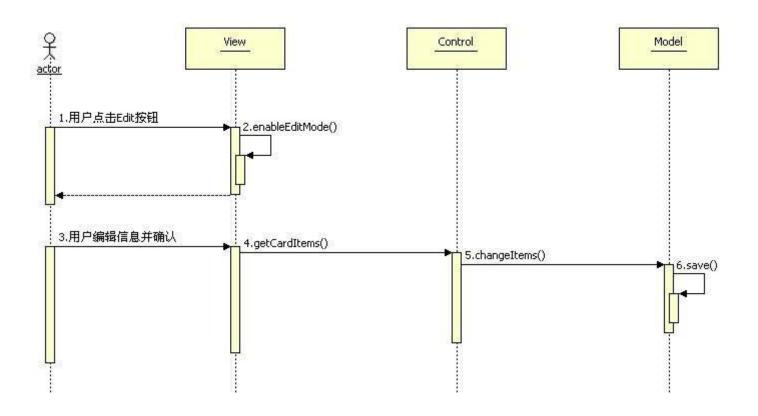
3、序列图

3.1 联系人管理

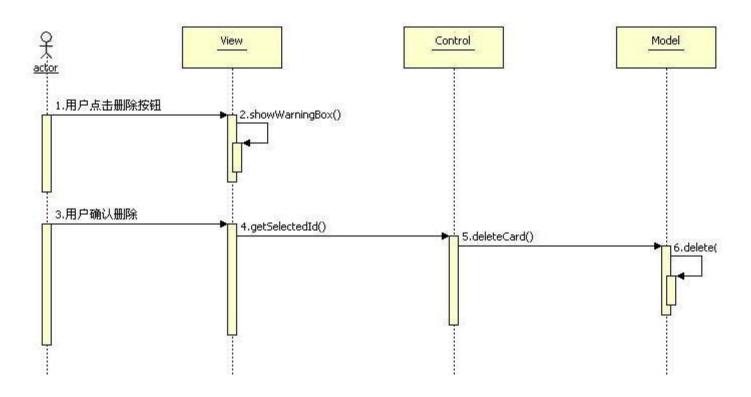
3.1.1 增加联系人



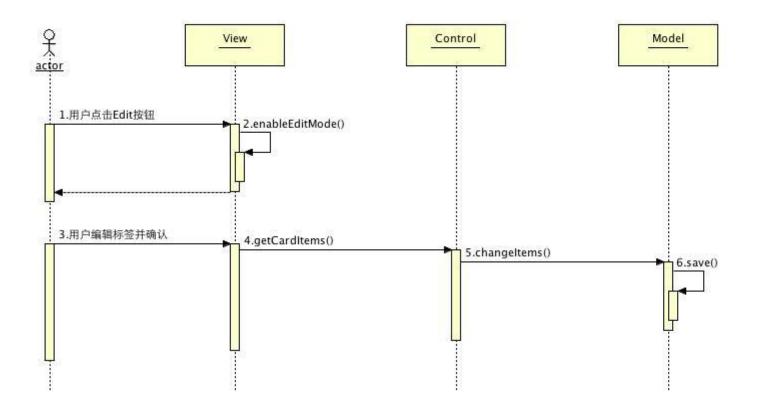
3.1.2 修改联系人



3.1.3 删除联系人

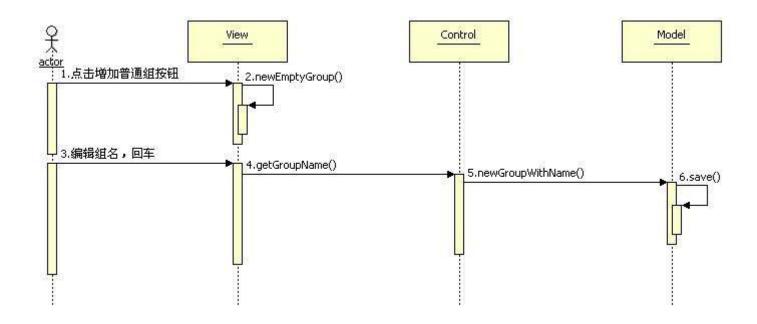


3.1.4 标签管理

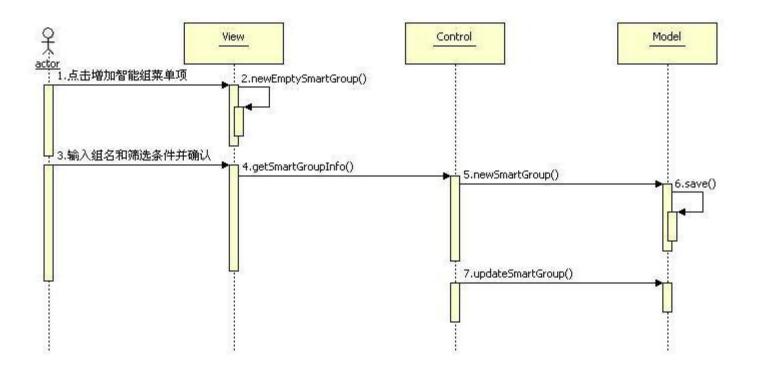


3.2 组管理

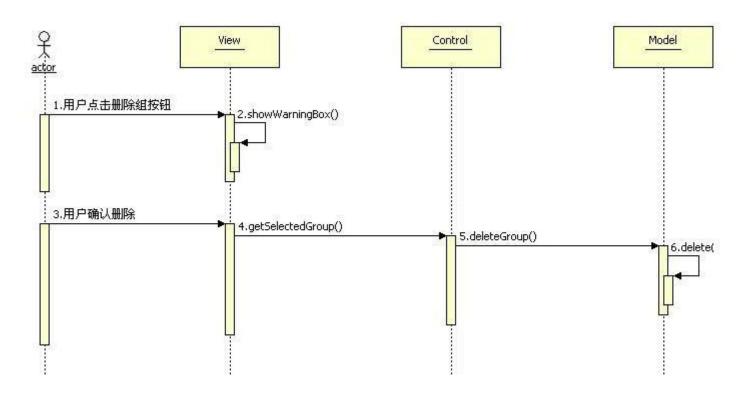
3.2.1 增加普通组



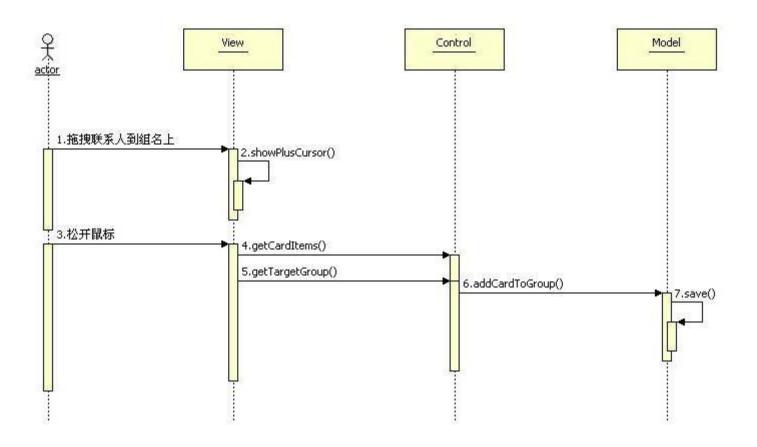
3.2.2 增加智能组



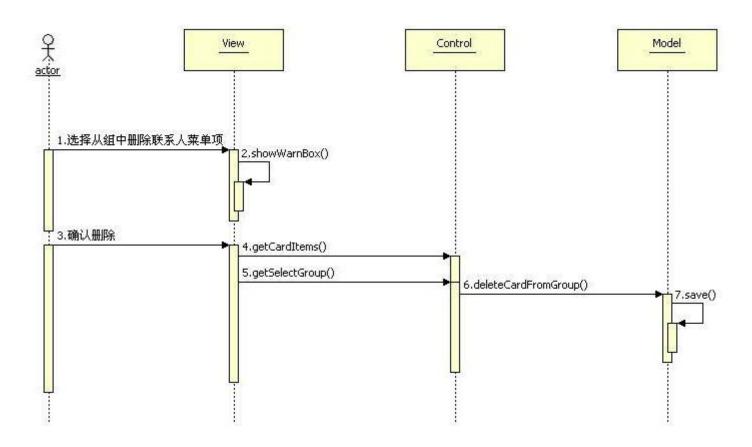
3.2.3 删除组



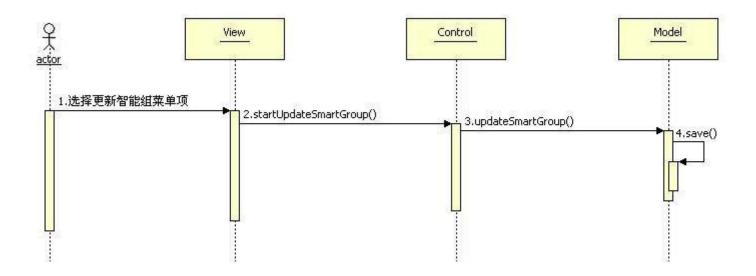
3.2.4 向组增加联系人



3.2.5 从组删除联系人

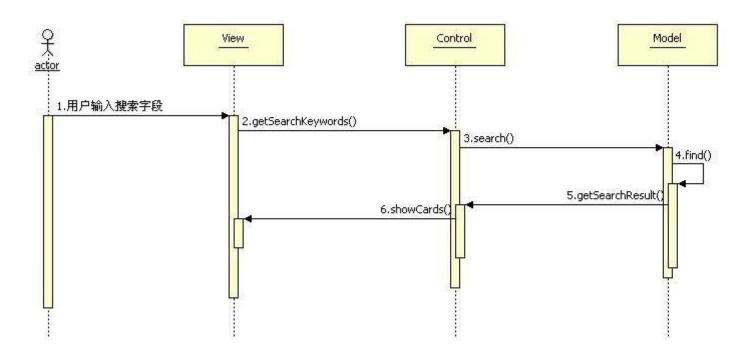


3.2.6 更新智能组

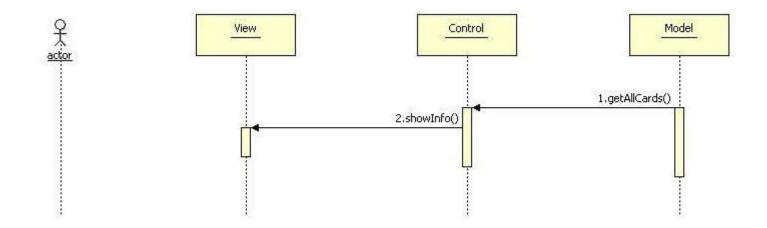


3.3 联系人查询

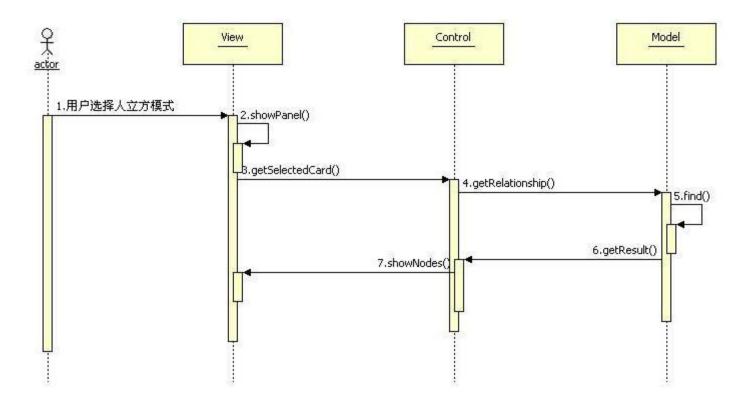
3.3.1 联系人信息查询



3.3.2 联系人信息统计

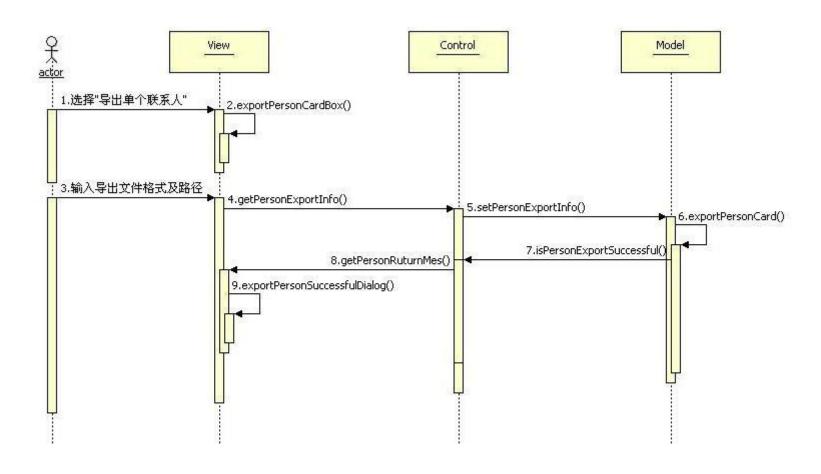


3.3.3 人立方

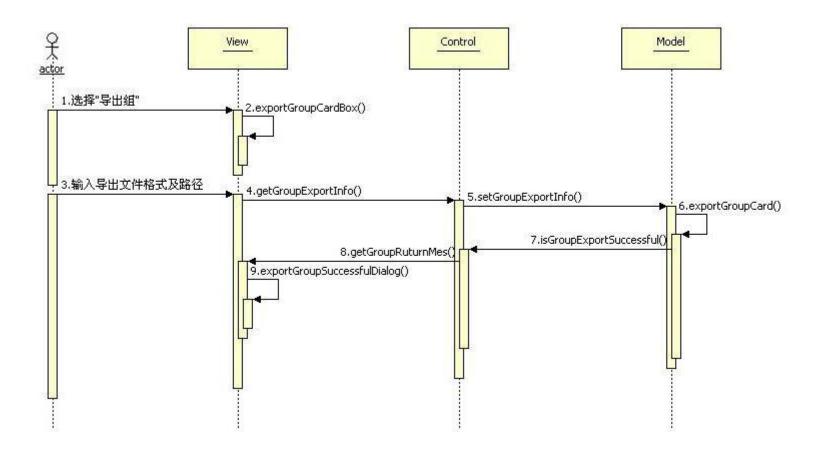


3.4 导入导出

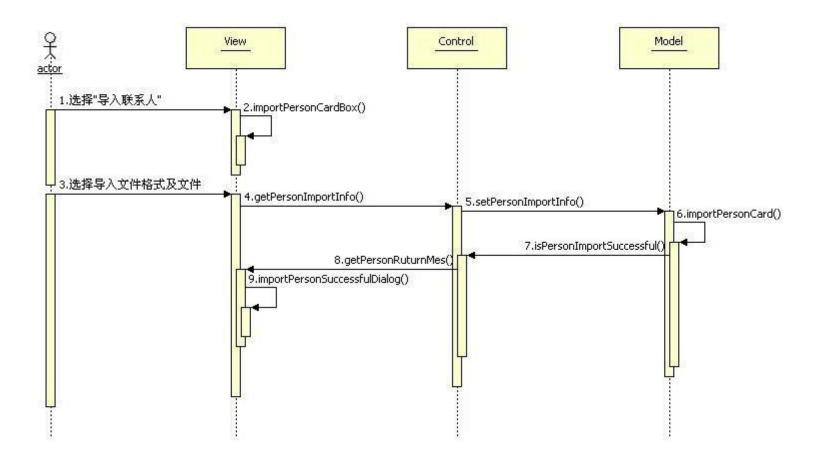
3.4.1 导出单个联系人



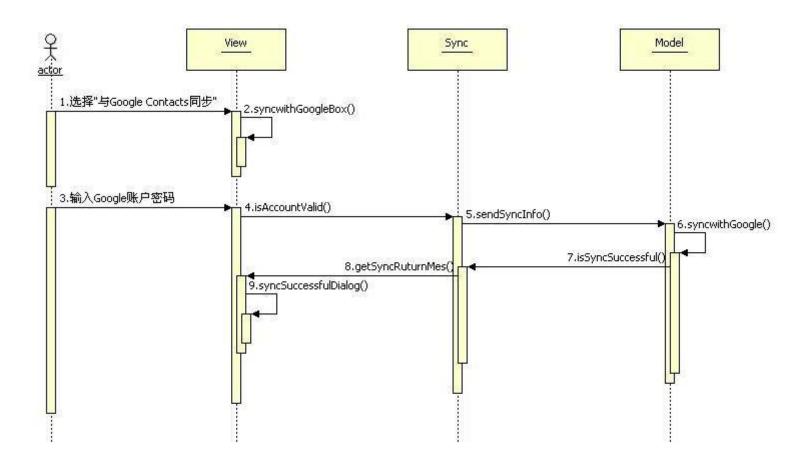
3.4.2 导出组



3.4.3 导入联系人

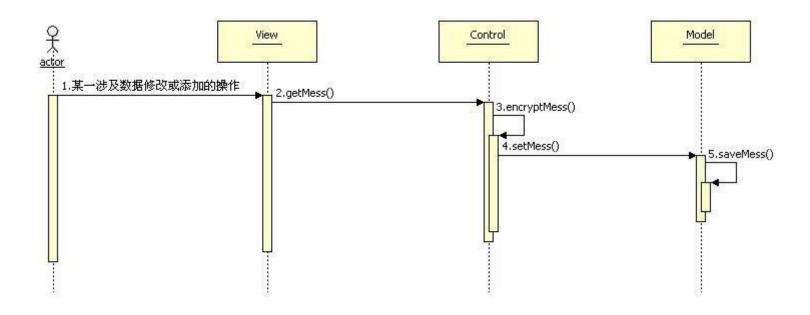


3.4.4 联系人同步

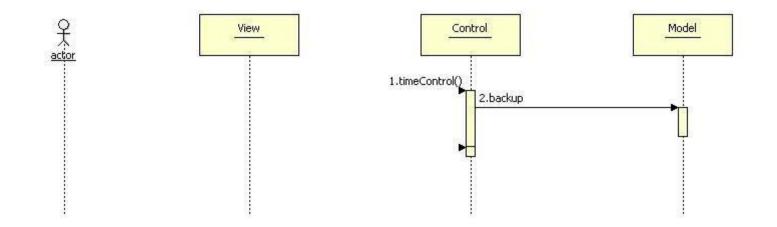


3.5 数据管理

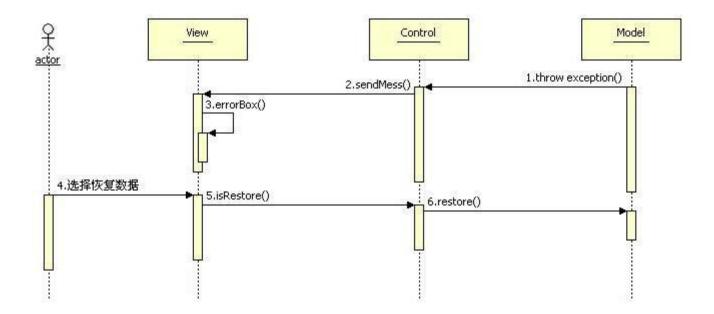
3.5.1 数据加密



3.5.2 数据自动保存

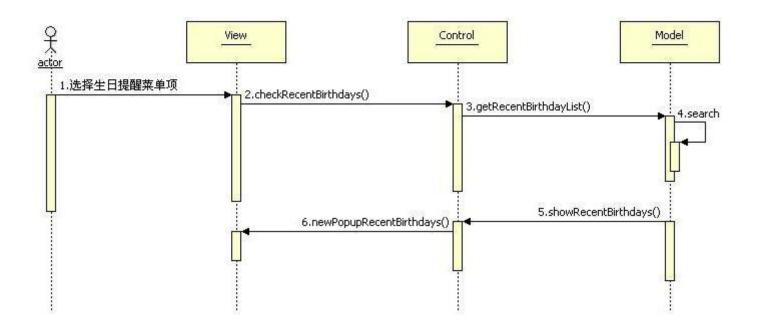


3.5.3 数据恢复

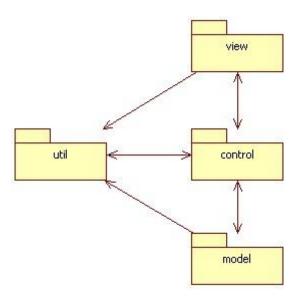


3.6 生日提醒

3.6.1 生日提醒



4、PACKAGE 关系图



@ org.kde9.control.Controller allGroupsController: AllGroupsController allNamesController: AllNamesController a cardController: CardController groupController: GroupController O Controller(): void getAllGroups(): LinkedHashMap < Integer, String > addGroup(groupName: String, memberIds: int[]): int addSmartGroup(groupName: String, range: int, keywords: HashMap < String, String >, isWholeWord: boolean): int deleteGroup(groupId: int): void renameGroup(groupId: int, groupName: String): void getGroupMembers(groupId: int): LinkedHashMap<Integer,String> addGroupMember(groupId: int, memberId: int): void addGroupMembers(groupId: int, memberIds: int[]): void deleteGroupMember(groupId: int, memberId: int): void deleteGroupMember(groupId: int, memberIds: int[]): void addCard(range: int, name: String, items: LinkedHashMap<String,String>): int deleteCard(id: int): void renameCard(id: int, name: String): void addCardItem(id: int, name: String, content: String): void deleteCardItem(id: int, name: String): void renameCardItem(id: int, oldName: String, newName: String): void getCardItem(id: int): LinkedHashMap < String, String > search(groupId: int, item: String, keywords: String, isWholeWord: boolean): LinkedHashSet<Integer> addTreeModelListener(arg0: TreeModelListener): void getChild(arg0: Object, arg1: int): Object getChildCount(arg0: Object): int getIndexOfChild(arg0: Object, arg1: Object): int getRoot(): Object isLeaf(arg0: Object): boolean removeTreeModelListener(arg0: TreeModelListener): void valueForPathChanged(arg0: TreePath, arg1: Object): void

@ org.kde9.control.AllGroupsController allGroups: InterfaceAllGroups AllGroupsController(): void appendGroup(id: int): void deleteGroup(id: int): void getGroupIds(): LinkedHashSet<Integer> @ org.kde9.control.AllNamesController allNames: InterfaceAllNames AllNamesController(): void appendPerson(id: int, name: String): void deletePerson(id: int[]): void getNames(ids: int[]): HashMap < Integer, String > @ org.kde9.control.GroupController groups: LinkedHashMap < Integer, InterfaceGroup > GroupController(ids: LinkedHashSet<Integer>): void getAllGroupNames(): LinkedHashMap<Integer,String> appendGroupMember(groupId: int, personId: int[]): void deleteGroupMember(groupId: int, personId: int[]): void renameGroup(groupId: int, groupName: String): void getGroupMember(groupId: int): LinkedHashSet<Integer> delete(groupId: int): void G org.kde9.control.CardController cards: HashMap < Integer, InterfaceCard> getCard(id: int): InterfaceCard CardController(): void renameCard(id: int, name: String): void addCardItem(id: int, name: String, content: String): void deleteCardItem(id: int, name: String): void renameCardItem(id: int, oldName: String, newName: String): void getCardItem(id: int): LinkedHashMap<String,String> getRelationship(id: int): HashMap < Integer, String > addRelationship(cardId: int): void deleteRelationship(cardId: int): void find(cardId: int, item: String, content: String, wholeWord: boolean): boolean o delete(cardId: int): void

