

cmput301f21t44

(C)ViewModelFactory

- mHabitEventRepository: HabitEventRepository [0..1]

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+ create(modelClass: Class<T>): T

+ getProvider(activity: FragmentActivity): ViewModelProvider

(C)FirestoreRepository

# mAuth: FirebaseAuth [0..1]

# mDb: FirebaseFirestore [0..1]

# mUser: FirebaseUser [0..1]

# getEventCollectionRef(habitId: String): CollectionReference

# getEventRef(eventId: String, habitId: String): DocumentReference

+ getEventsByHabitId(habitId: String): LiveData<List<HabitEvent>>

# getHabitRef(habitId: String): DocumentReference

+ instantFromDoc(doc: DocumentSnapshot, field: String): Instant

(C)FirestoreEventRepository

+ delete(habitEvent: HabitEvent, failCallback: CatchFunction)

+ insert(habitId: String, comment: String, successCallback: ThenFunction, failCallback: CatchFunction)

+ update(id: String, habitId: String, date: Instant, comment: String, successCallback: ResultFunction<HabitEvent>, failCallback: CatchFunction)

(C)FirestoreHabitRepository

+ delete(habit: Habit, successCallback: ThenFunction, failCallback: CatchFunction)

- deleteHabit(habit: Habit, successCallback: ThenFunction, failCallback: CatchFunction)

- deleteHabitWithEvents(eventSnapshots: QuerySnapshot, habitId: String): Task<Void>

+ insert(title: String, reason: String, dateStarted: Instant, daysOfWeek: boolean[], successCallback: ThenFunction, failCallback: CatchFunction)

+ update(id: String, title: String, reason: String, dateStarted: Instant, daysOfWeek: boolean[], successCallback: ResultFunction<Habit>, failCallback: CatchFunction)

