Факультатив ФКН

РАЗРАБОТКА МОБИЛЬНЫХ ПРИЛОЖЕНИЙ НА БАЗЕ ПЛАТФОРМЫ

Преподаватель
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Хранение данных. СУБД

- Web Storage

https://developer.tizen.org/development/guides/web-application/w3chtml5supplementary-features/storage/web-storage-0

- Web SQL Database

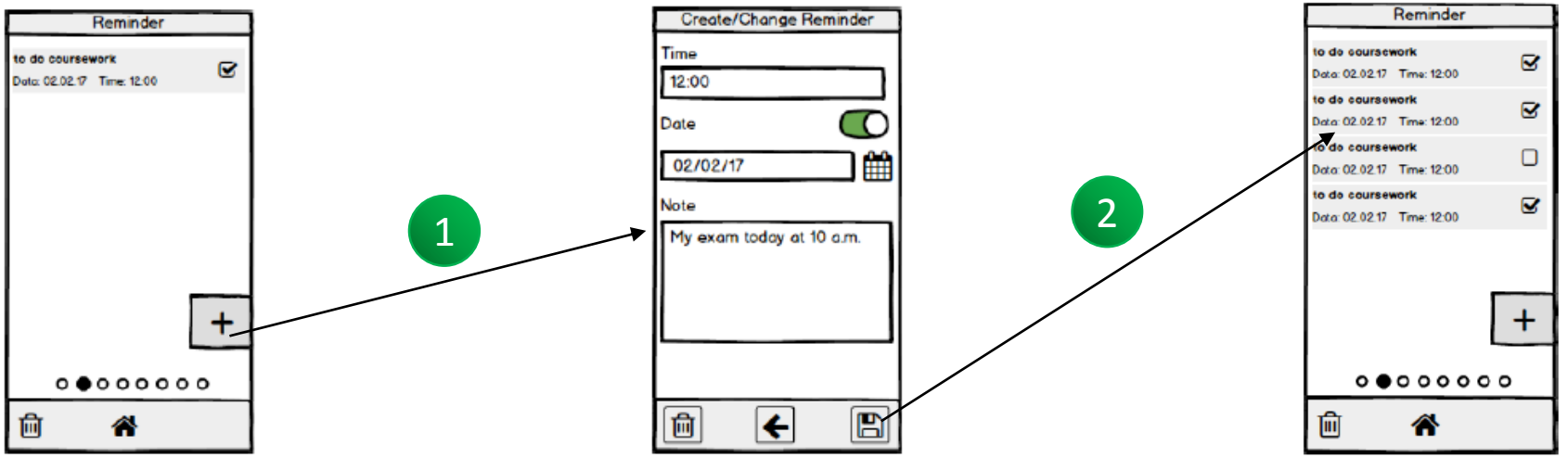
https://developer.tizen.org/development/guides/web-application/w3chtml5supplementary-features/storage/web-sql-database-0

- IndexedDB

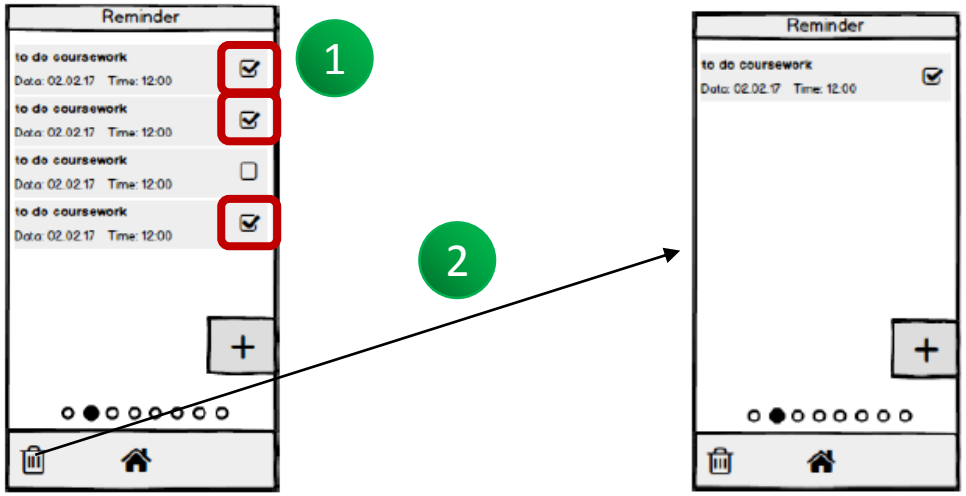
https://developer.tizen.org/development/guides/web-application/w3chtml5supplementary-features/storage/indexed-database-0

Напоминания

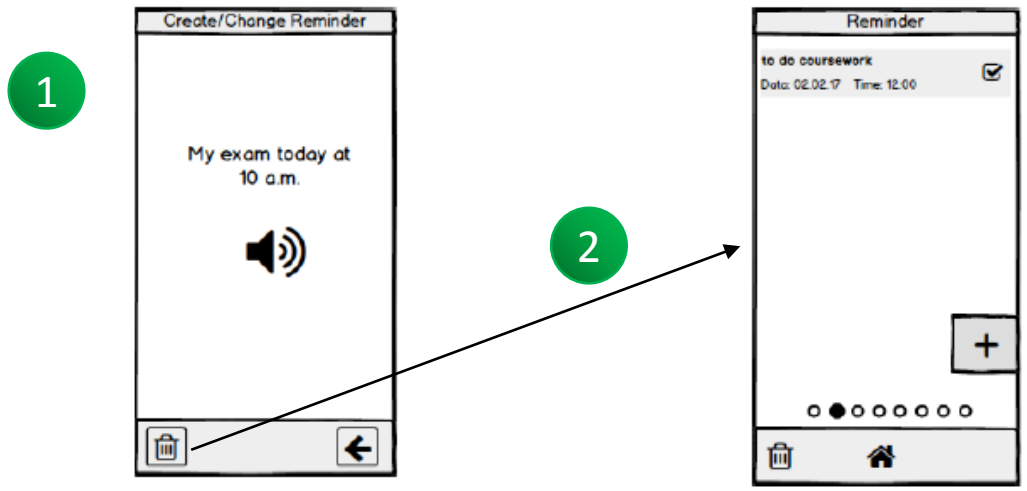
Добавление Напоминания



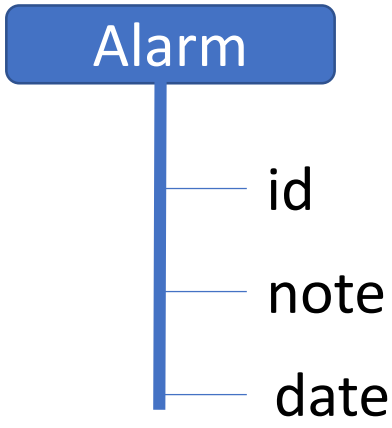
Удаление Напоминаний



Запуск Напоминания



Объект «alarm»



LocalStorage

Приложение AlarmLocalStorage

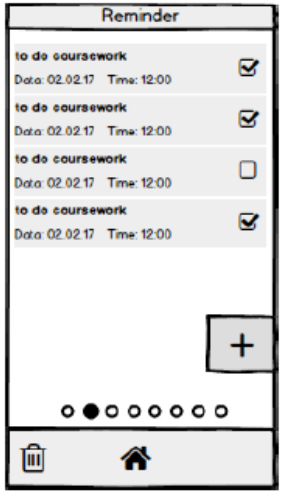
Alarm

Привилегии

- http://tizen.org/privilege/alarm

```
<tizen:app-control>
        <tizen:src name="index.html#alarmActive"/>
        <tizen:operation name="http://tizen.org/appcontrol/operation/startMyAlarm"/>
    </tizen:app-control>
```

Приложение AlarmLocalStorage. Все элементы




```
function showAlarmList() {

    removeAll();

    var i = 0,
    lenList = localStorage.length;

    for (i; i < lenList; i++) {

    var obj = JSON.parse(localStorage.getItem(localStorage.key(i)));

    addAlarmObjectView(obj.id.split("_")[1], obj.note, obj.date);
    }

}
```

Приложение AlarmLocalStorage. Добавление, извлечение, удаление

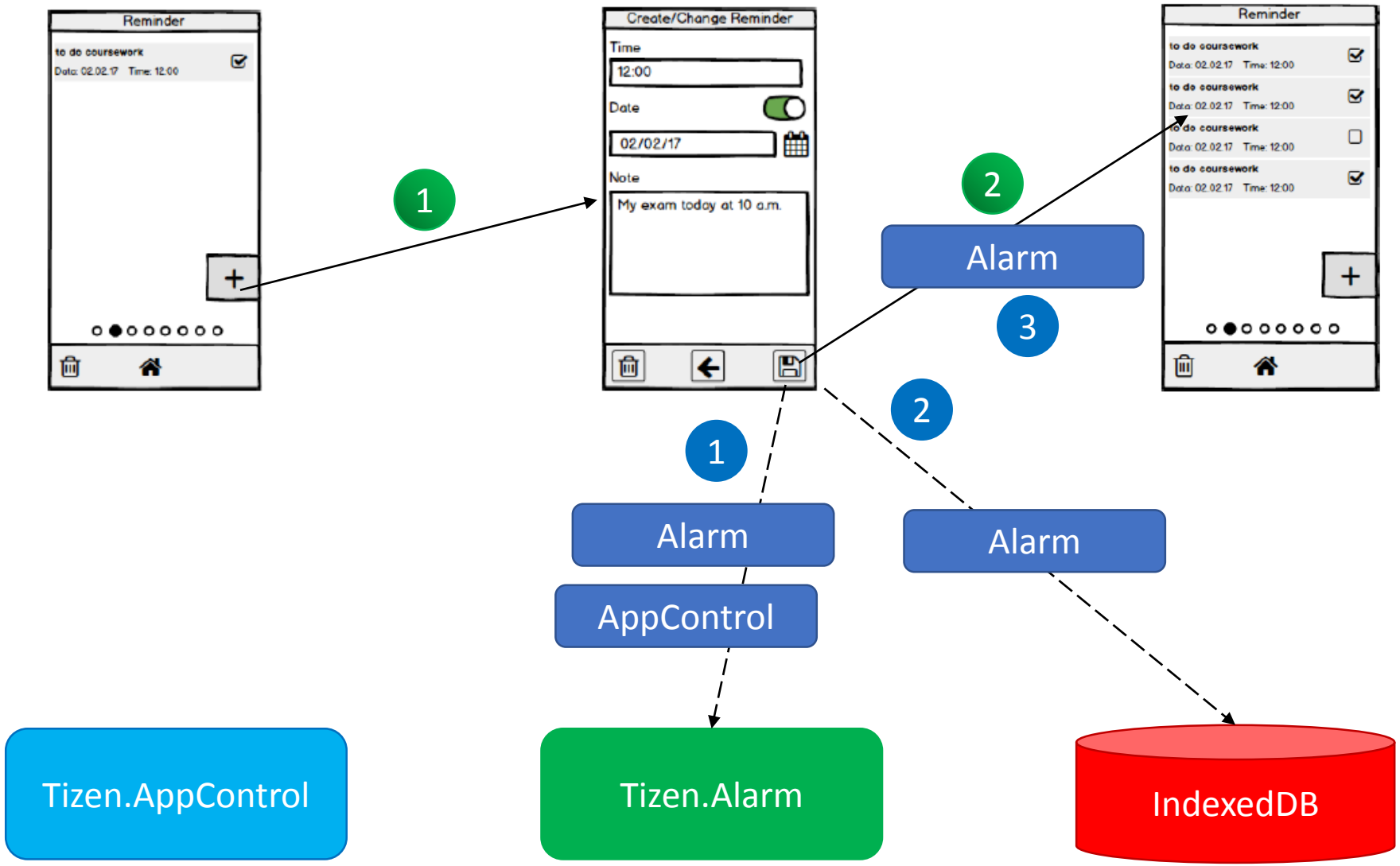
```
localStorage[alarm.id] = JSON.stringify(alarm);
```

```
localStorage.removeItem(id);
```

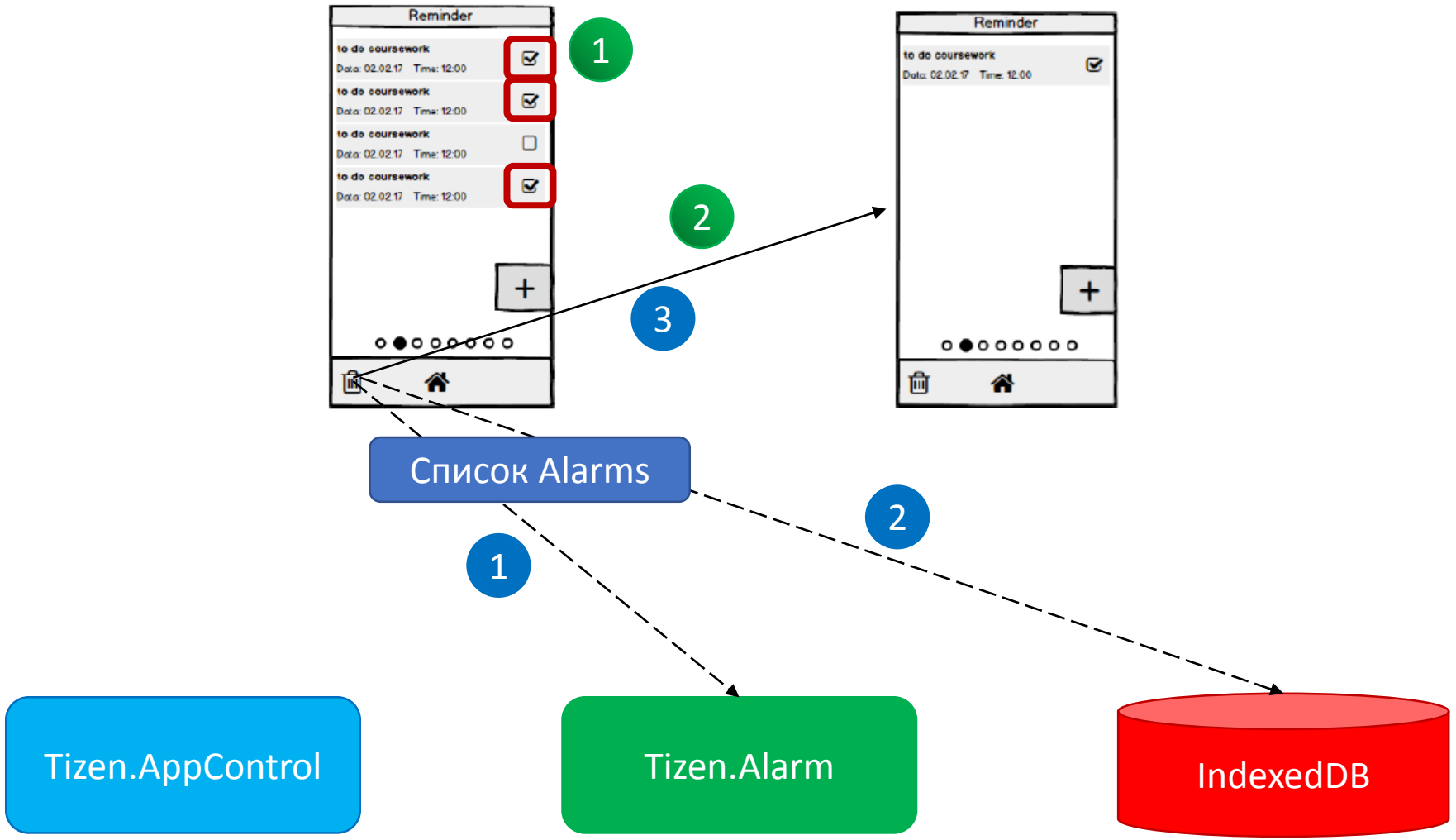
```
localStorage.clear();
```

IndexedDB

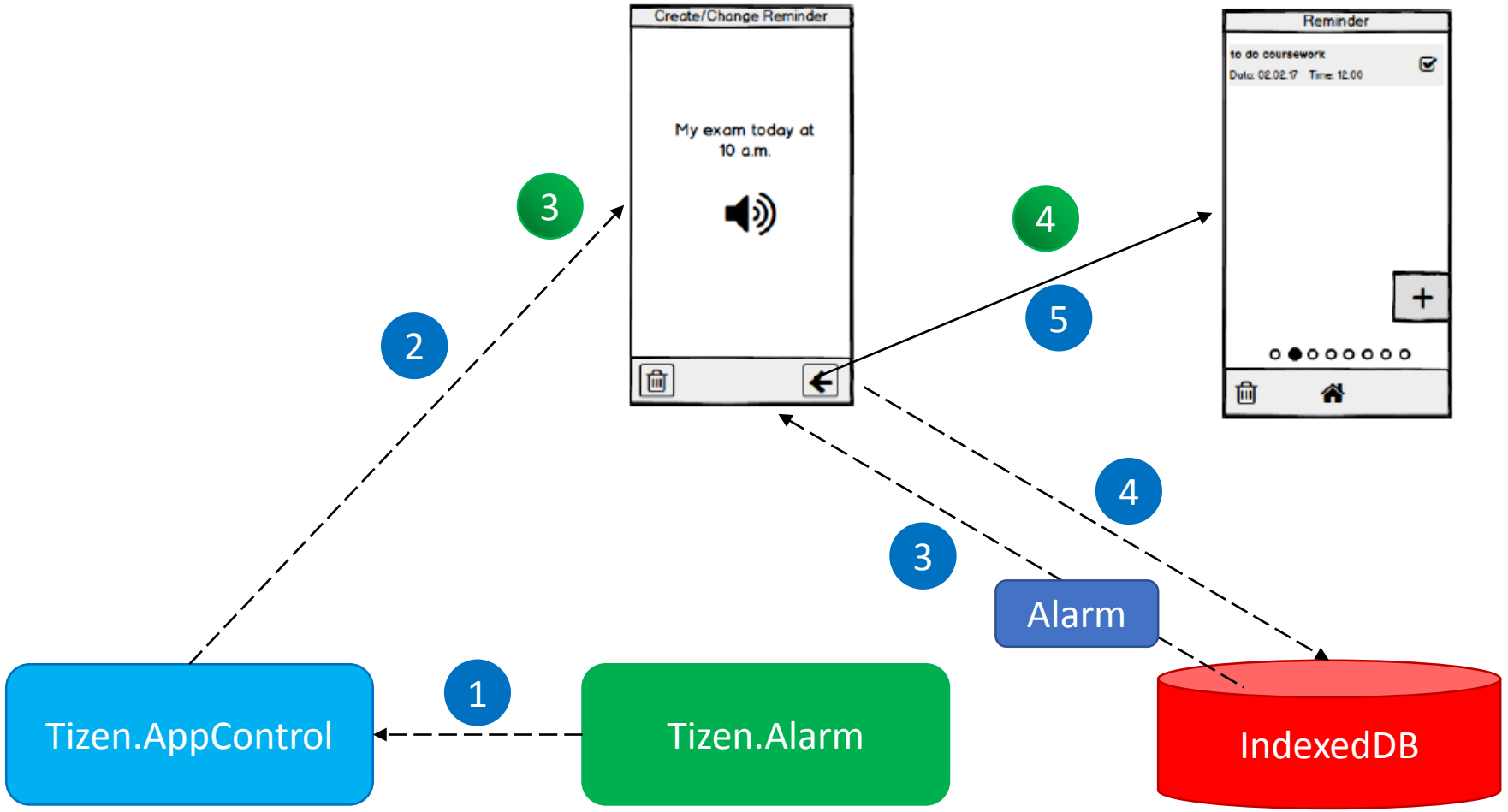
Добавление Напоминания



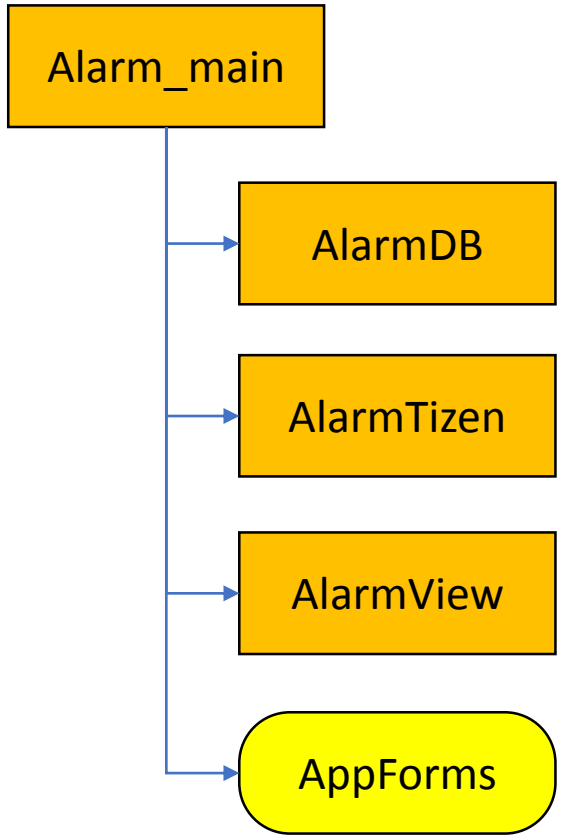
Удаление Напоминаний



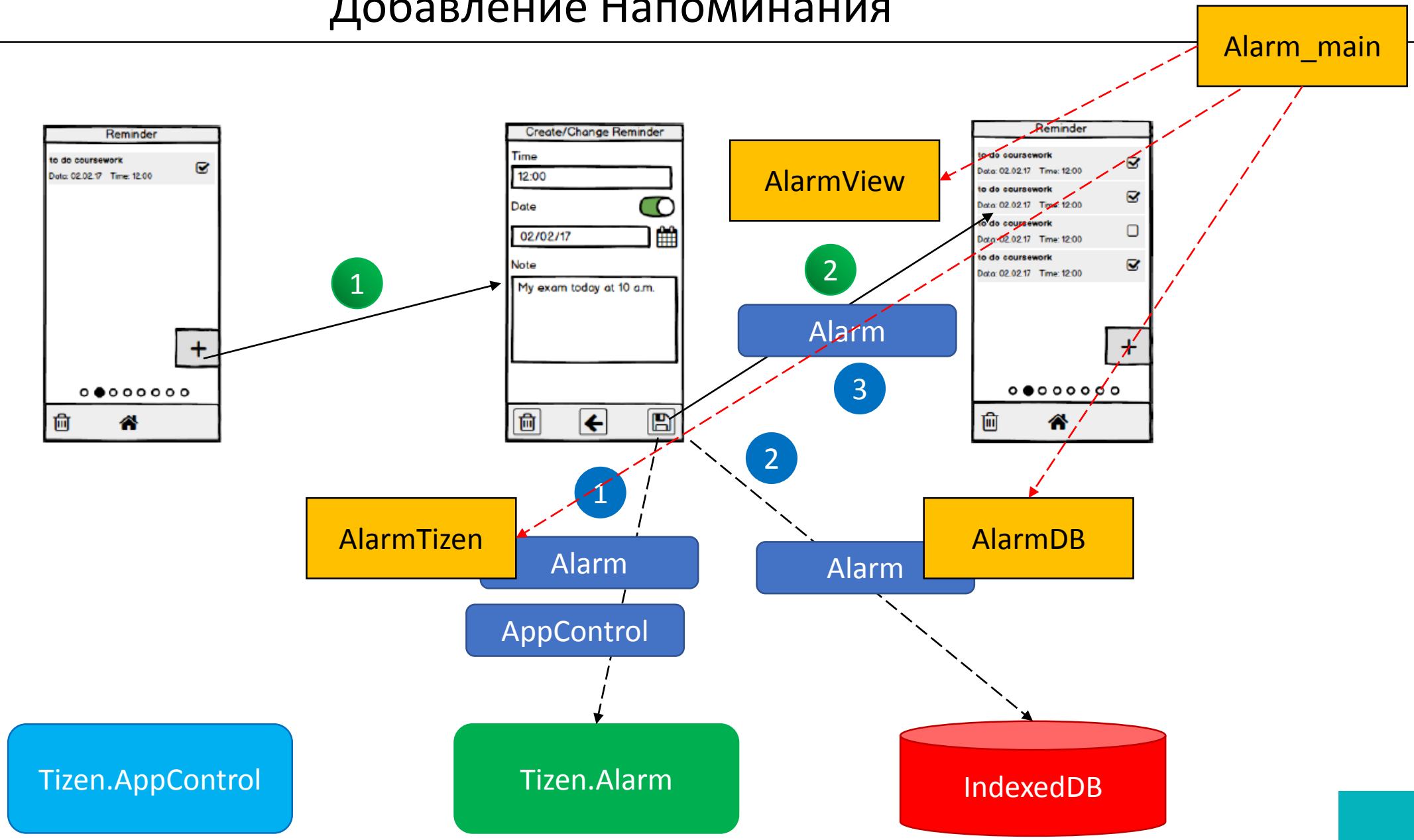
Запуск Напоминания



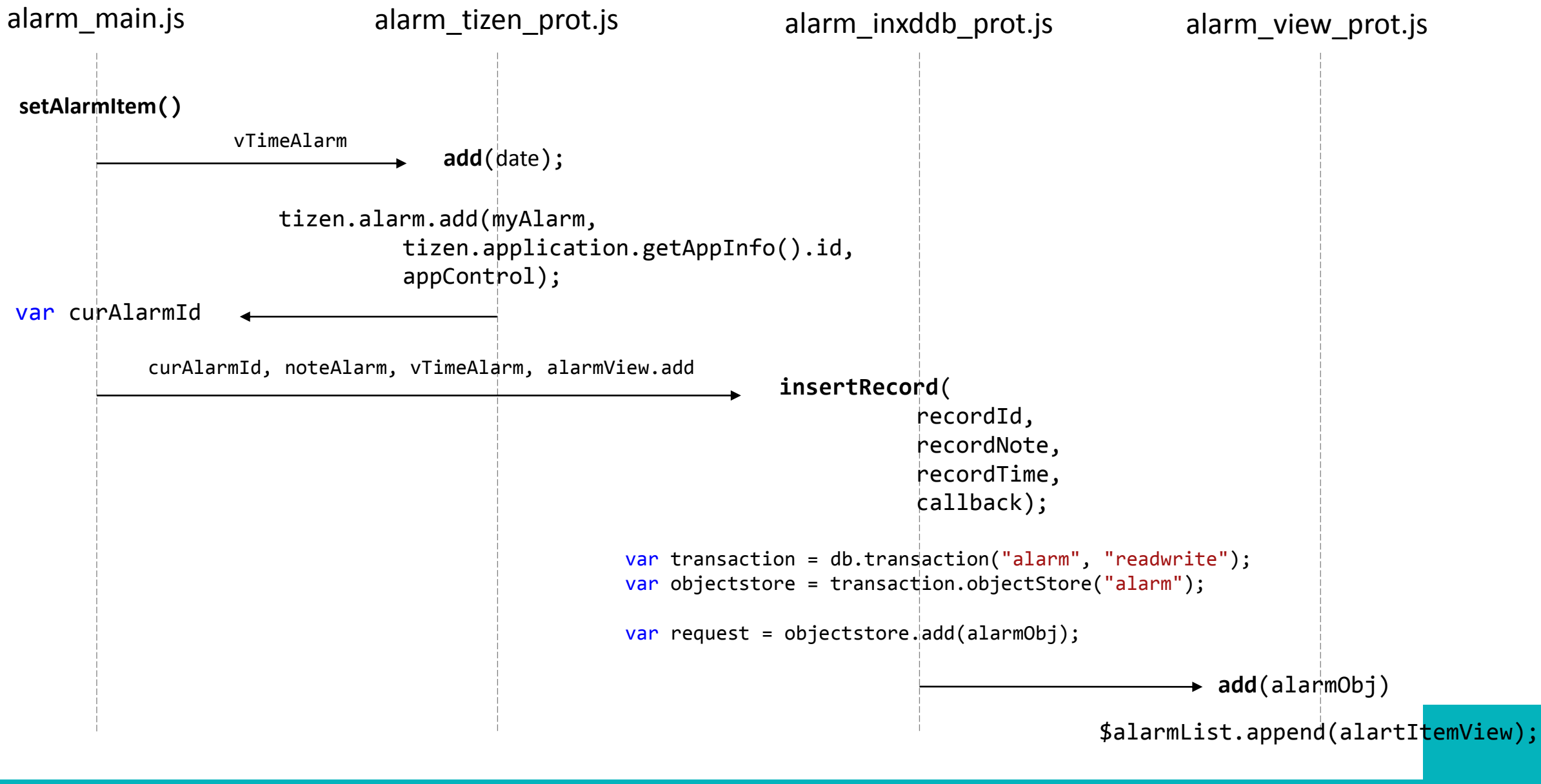
Структура js-файлов



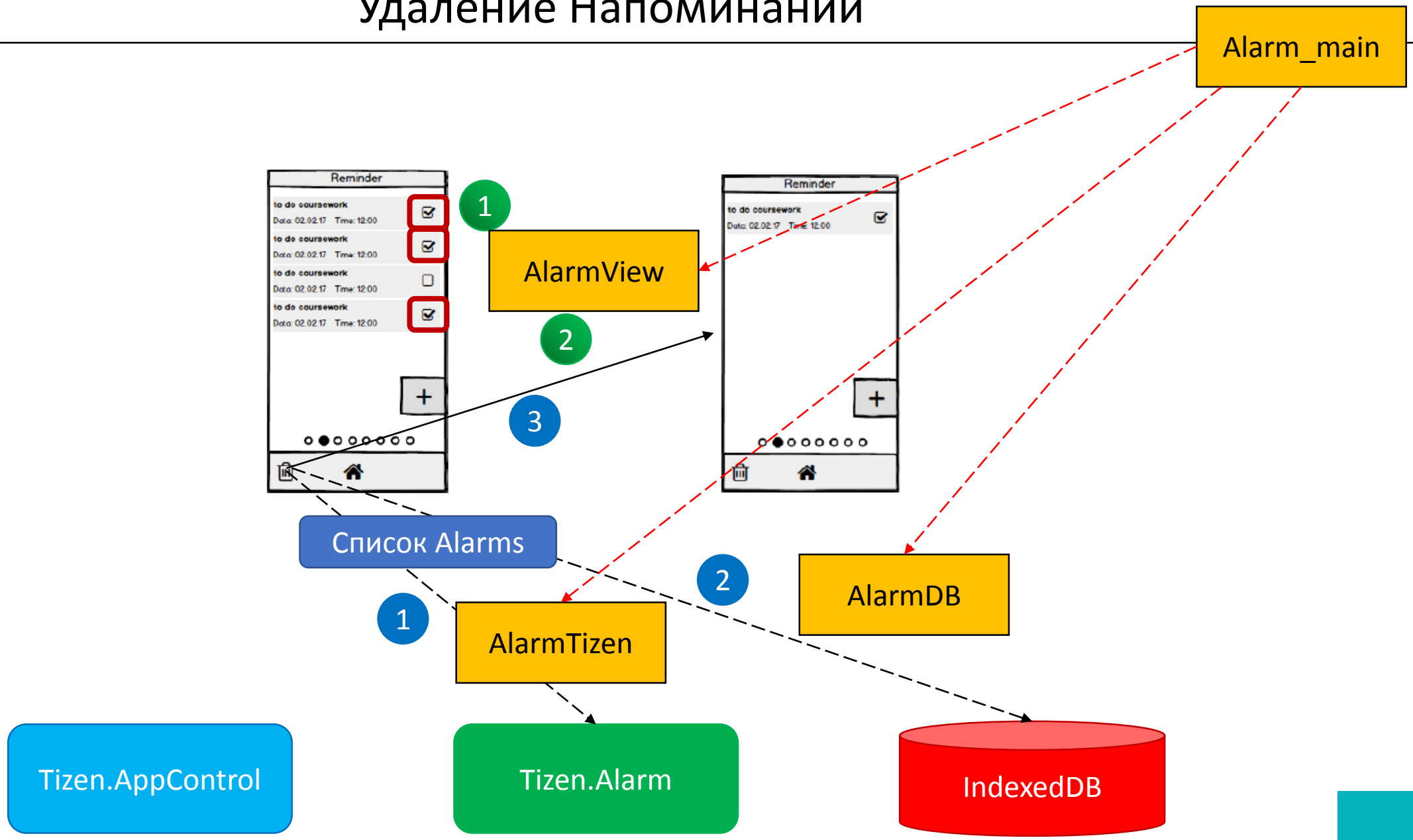
Добавление Напоминания



Добавление Напоминания



Удаление Напоминаний



Создание БД

```
createDB : function(callbackView){

     var request = window.webkitIndexedDB.open(this.dbName);

     var self = this;
     request.onsuccess = function(e) {

          db = request.result;

          if (db) {
          self.selectAll(callbackView);
          }

     };
     request.onerror = function(e) {
          console.log("IndexedDB error: " + e.target.errorCode);
     };
     request.onupgradeneeded = function(e)
     {
          console.log("inside onupgradeneeded");

          var objectStore = e.currentTarget.result.createObjectStore(
          "alarm", { keyPath: "id", autoIncrement: false });

     };
}
```

Удаление БД

```
//Удаление БД
removeDB : function() {
        window.webkitIndexedDB.deleteDatabase(this.dbName);
},
```

Добавление записи

```
//Добавление нового Напоминания
insertRecord : function(recordId, recordNote, recordTime, callback) {

     var alarmObj = {
          id: recordId,
          note: recordNote,
          date: recordTime
          }

     if (db !== undefined) {

          var transaction = db.transaction("alarm", "readwrite");
          var objectstore = transaction.objectStore("alarm");

          var request = objectstore.add(alarmObj);

          request.onerror = function(event) {
          };
          request.onsuccess = function(event) {
            callback(alarmObj);
          };
     }
},
```

Извлечение записи

```
//Извлечение Напоминания по Id
selectById : function(recordId, callback){

    var transaction = db.transaction("alarm", "readonly");
    var objectstore = transaction.objectStore("alarm");

    var request = objectstore.get(recordId);

    request.onerror = function(event) {

    };
    request.onsuccess = function(event) {
          console.log(request.result);
          console.log("Alarm with id " + recordId + " was retrieved");

          callback(request.result.note, new Date(request.result.date));

    };
},
```

Изменение записи

```
var requestUpdate = objectstore.put(record);

requestUpdate.onerror = function(event) {

};

requestUpdate.onsuccess = function(event) {
    callback(oldId, record);
};
```

Удаление записи

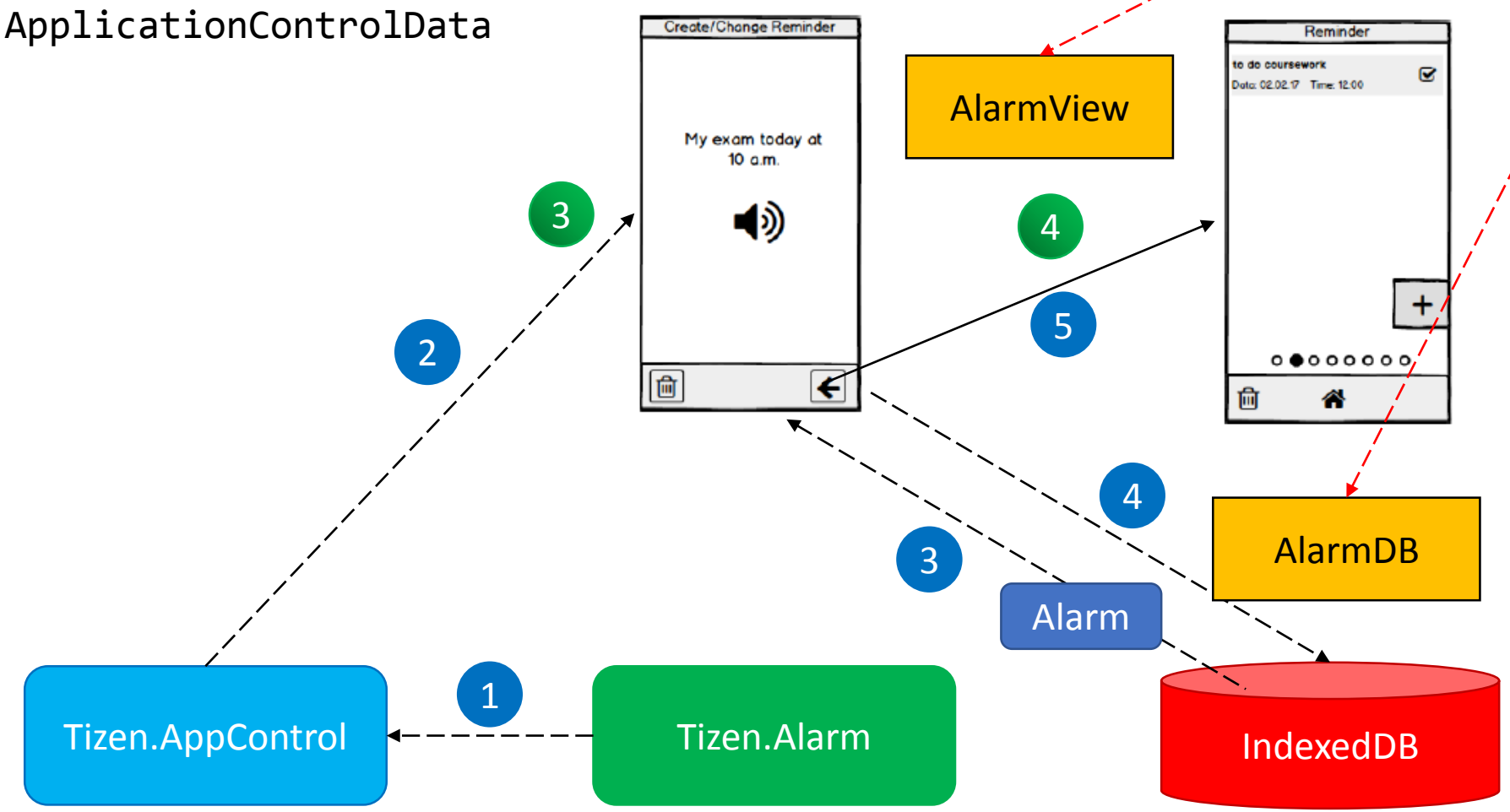
```
removeRecord : function(recordId) {

    var transaction = db.transaction("alarm", "readwrite");
    var objectstore = transaction.objectStore("alarm");

    var request = objectstore.delete(recordId);

    request.onerror = function(event) {
      console.log("Handle errors!");
    };
    request.onsuccess = function(event) {
      console.log(request.result);
    };
},
```

Запуск Напоминания

Задание

Использовать `ApplicationControlData`