# Izrada Android aplikacije pomoću Phonegapa

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# Sadržaj

- Uvod
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#### Uvod

- Tema završnog rada
- Korištene tehnologije
- Mogućnosti aplikacije

## Korištene tehnologije

- HTML
- CSS
- JavaScript
- SQLite
- Phonegap

#### SQLite

- Relacijska baza
- Zahtijeva malu memoriju
- Nema klijent/server arhtiketuru

#### Phonegap

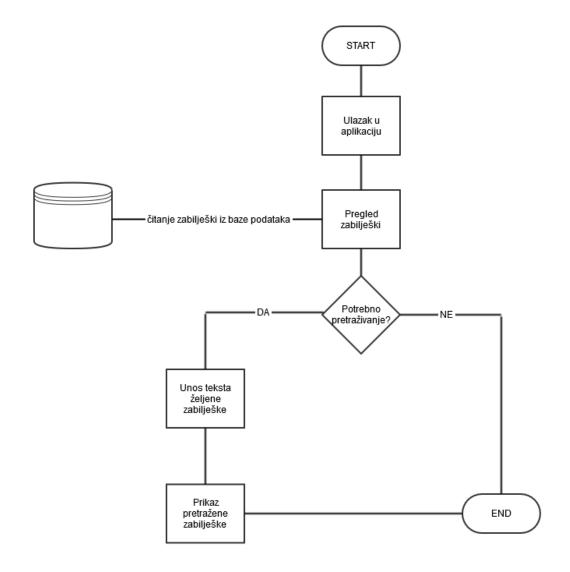
- Framework za oblikovanje aplikacija
- Temelji se na Apache Cordova
- Prednosti
- Kompajliranje pomoću komandne linije

## Mogućnosti aplikacije

- Dodavanje, brisanje zabilješki
- Dodavanje, brisanje kategorija zabilješki
- Dodavanje alarma zabilješki
- Pretraživanje zabilješki po tekstu
- Pretraživanje zabilješki po kategoriji

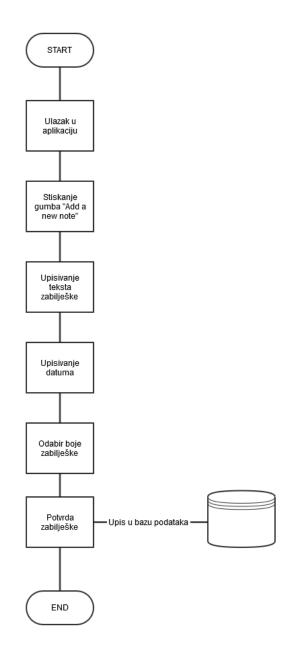
## Planiranje aplikacije

Dijagram toka čitanja zabilješki



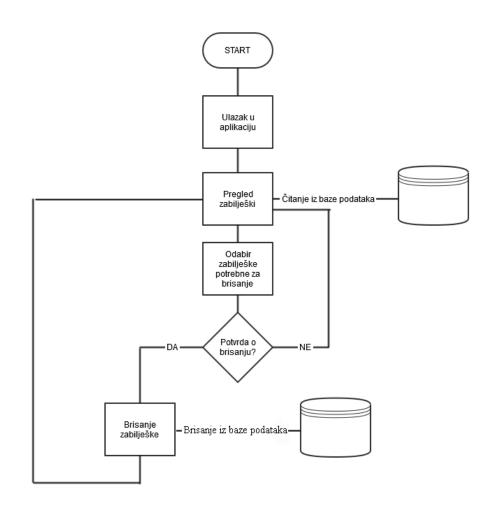
## Planiranje aplikacije

 Dijagram toka upisivanja novih zabilješki



## Planiranje aplikaciie

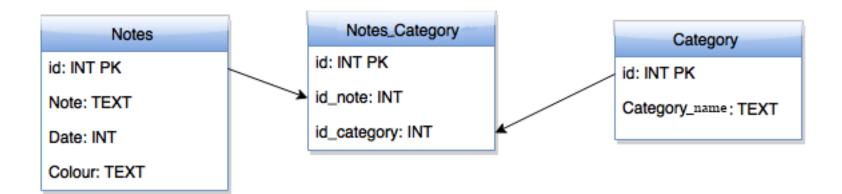
Dijagram toka brisanja zabilješki



#### Izrada i rad s bazom podataka

```
function opendbs()
var db = window.sqlitePlugin.openDatabase("dbnotes", "1.0", "Noter", -1);
db.transaction(populateDB, errorCB, successCB);
function populateDB(tx) {
   tx.executeSql('CREATE TABLE IF NOT EXISTS Notes (id integer primary key, Note text, Date integer, Colour text)');
   ('CREATE TABLE IF NOT EXISTS Notes Category (id integer primary key, id id note, id id category)');
   var category = tx.executeSql('SELECT Category from Category WHERE id like ?', [select]);
   var category id= tx.exectx.executeSql('CREATE TABLE IF NOT EXISTS Category (id integer primary key, Category text)');
   tx.executeSqluteSql('SELECT id from Category WHERE Category like?', [category]);
   var note id= tx.executeSql('SELECT id from Note WHERE Note like ?', [note]);
   tx.executeSql('INSERT INTO Notes (Note, Date, Colour, Checked) VALUES (?,?,?,?)', [note, date, colors, checkbox]);
   tx.executeSql('INSERT INTO Notes Category (id note, id category) VALUES (?,?)', [note id,category id]);
   queryDB(tx);
```

Baza podataka



#### Ispis zabilješki

#### Brisanje zabilješki

```
function deletenote(tx)
{
  tx.executeSql('DELETE FROM Notes WHERE id = ?', [id1]);
  window.location.reload(true);
  queryDB(tx);
}
```

Pretraživanje zabilješki po tekstu

```
function search(tx)
  search text = document.getElementById('search').value;
  tx.executeSql("SELECT id, Note, Date, Colour from Notes WHERE Note like?;", [search_text], querySuccess, errorCB);
  if(!search text){
   tx.executeSql("SELECT id, Note, Date, Colour from Notes;", [], querySuccess, errorCB);
   Pretraživanje zabilješki po kategoriji
function select(tx)
selections = document.getElementById('selects').value;
if(selections=='All')
               queryDB(tx);
else{
               var select id = tx.executeSql("SELECT id, category name from Category WHERE category name like ?;", [selections], querySuccess, errorCB);
var category id = tx.executeSql("SELECT id note, id category from Notes Category WHERE id category like?;"[select id], querySuccess, errorCB)
tx.executeSql("SELECT id, Note, Date, Colour from Notes WHERE id like?;", [category id], querySuccess, errorCB);
               tx = null;
```

#### Alarm zabilješke

Alarm zabilješke scheduleDelayed = function (x,time,category,notetxt) { var d = new Date(time); var n = d.valueOf(); document.getElementById("sched").innerHTML = n; var sound = device.platform == 'Android' ? 'file://sound.mp3' : 'file://beep.caf'; cordova.plugins.notification.local.schedule({ id: x, title: category, text: notetxt, at: n, sound: sound, **})**;

#### Kategorije

```
function queryCat(tx) {
 tx.executeSql('INSERT_INTO Category(category_name) VALUES (?)', ["Private"]);
 tx.executeSql('INSERT_INTO Category(category_name) VALUES (?)', ["Home"]);
 tx.executeSql('INSERT_INTO Category(category_name) VALUES (?)', ["Work"]);
 tx.executeSql("SELECT id, category name from Category;", [], catSuccess, errorCB);
function catSuccess(tx, results){
             for (var i = 0; i < len; i++)
                          var y= document.getElementById("select");
                          var z= document.getElementById("selects");
                          var option = document.createElement("option");
                          option.text = results.rows.item(i).category name;
                          y.add(option);
                          z.add(option);
```

# Dizajniranje aplikacije

Izgled zabilješki

```
.newTasks{
  display: inline-block;
  padding:30px 30px 40px;
 margin: 20px;
 width:10em;
 height:10em;
  font:20px 'Gloria Hallelujah', cursive;
  background: #F9EFAF;
  box-shadow: 10px 10px 15px #888888;
  transition:box-shadow 0.5s ease;
  -webkit-border-radius: 50px;
  -moz-border-radius: 50px;border-radius: 50px;
 max-width:520px;
 max-height:250px;
 color: #000000;
```



# Zaključak

- Android aplikacije
- Prednosti HTML5 i Javascripte

#### Literatura

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- Srinivas Sriparasa S., JavaScript and JSON Essentials, Packt Publishing, 2013.
- Lunny A., PhoneGap Beginner's Guid, Packt Publishing, 2011.
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- Android platform guide, 15. travnja 2015., http://docs.phonegap.com/en/edge/guide\_platforms\_index. md.html