**Epitec Jobs Mobile App**

Contact:

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**Summary:**

Epitec is an IT, engineering and professional staffing organization. This project is a mobile application that connects users to Epitec recruiters and allow them to apply for jobs.

**Project Goal:**

To develop and test a new mobile application. The mobile application will have the following functionalities.

Required:

1. Users should be able to search for Jobs.
2. Users should be able to apply for jobs and attach a resume.
3. Users should be able to register and authenticate through their existing social accounts like Facebook, Google, LinkedIn and Microsoft account.

Additional:

1. Users should be able to chat with a recruiter through the app.
2. Users should be able to receive notifications through the app.

**Objectives:**

1. Create the mobile client using Xamarin forms.
2. Create the mobile endpoint using Web API or .NET Core. (may call existing API)
3. Use Azure AD B2C for authentication.
4. Use VSTS for source control and continuous deployment.

**Target Devices:**

1. IOS
2. Android

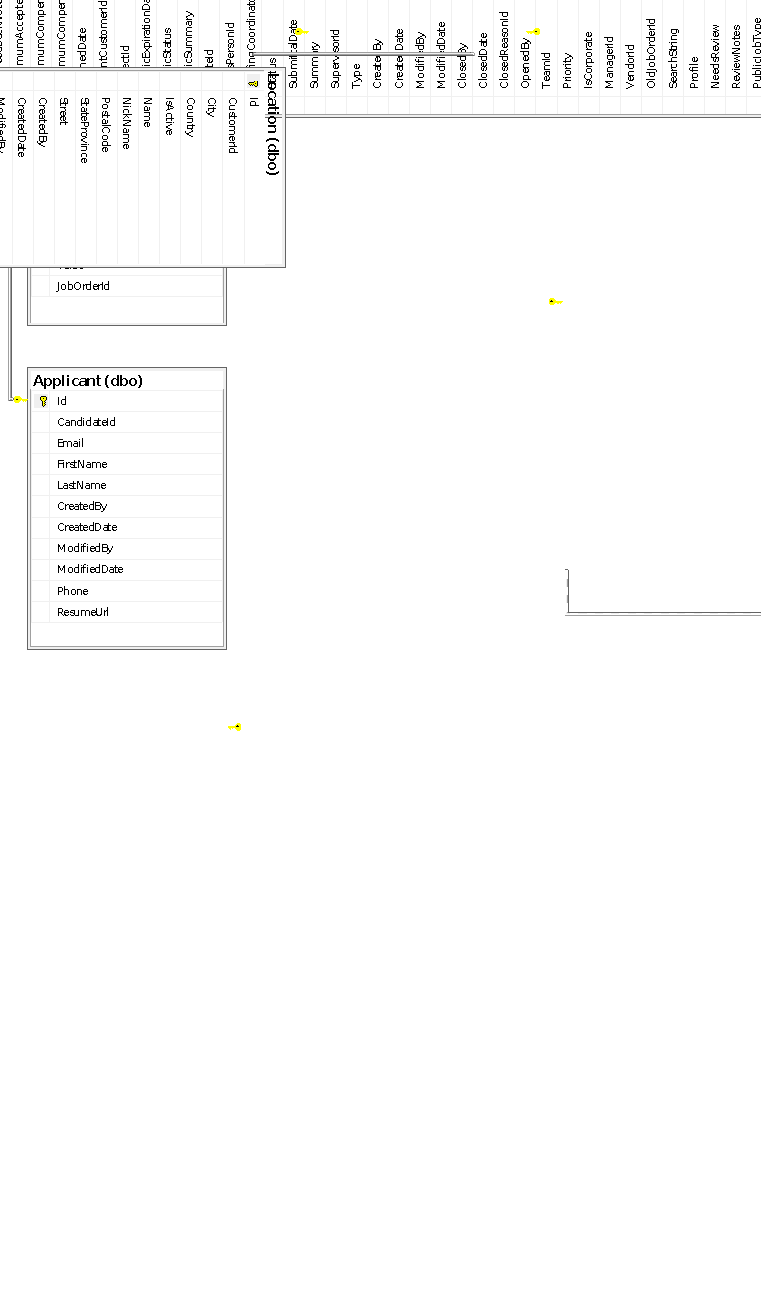
**Technologies:**

1. Xamarin Forms
2. C#
3. Web API or .NET Core
4. VSTS
5. Azure
6. Azure AD B2C

**Benefits of working on this project:**

* Gain experience in Web API, Mobile Development and Azure.
* Gain experience in deployment and testing of a mobile app that will potentially have a large user-base.

**Database Diagram**



The Applicant, Event, JobOrder and tables will be the primary tables used.

**API**

Copied from ApiSchema.json:

// Epitec Public API Schema

// Headers

{

"Api-Key": "keyGoesHere",

"Content-Type": "application/json"

}

// Endpoints

// GET api/applicants

// Description: Returns 10 most recent applicants

// Path parameters:

// Request body:

// Response:

{

"type": "array",

"items": {

"id": {

"type": "string"

},

"candidateId": {

"type": "string",

"required": false

},

"email": {

"type": "string"

},

"firstName": {

"type": "string"

},

"lastName": {

"type": "string"

},

"createdBy": {

"type": "string"

},

"createdDate": {

"type": "string"

},

"modifiedBy": {

"type": "string"

},

"modifiedDate": {

"type": "string"

},

"phone": {

"type": "string"

},

"resumeUrl": {

"type": "string"

}

}

}

//-------------------------------------------

// GET api/applicants/{id}

// Description: Get an applicant by ID

// Path parameters: id (string)

// Request body:

// Response:

{

"id": {

"type": "string"

},

"candidateId": {

"type": "string",

"required": false

},

"email": {

"type": "string"

},

"firstName": {

"type": "string"

},

"lastName": {

"type": "string"

},

"phone": {

"type": "string"

}

}

//-------------------------------------------

// POST api/applicants/detail

// Description: Get an applicant by email or id

// Path parameters:

// Request body:

{

"email": {

"type": "string",

"required": false

},

"id": {

"type": "string",

"required": false

}

}

// Response:

{

"id": {

"type": "string"

},

"candidateId": {

"type": "string",

"required": false

},

"email": {

"type": "string"

},

"firstName": {

"type": "string"

},

"lastName": {

"type": "string"

},

"phone": {

"type": "string"

}

}

//-------------------------------------------

// POST api/applicants

// Description: Create or update an applicant, if an applicant is found with a matching email or ID it updates

// Path parameters:

// Request body:

{

"id": {

"type": "string",

"required": false

},

"candidateId": {

"type": "string",

"required": false

},

"email": {

"type": "string"

},

"firstName": {

"type": "string"

},

"lastName": {

"type": "string"

},

"phone": {

"type": "string"

},

"resumeUrl": {

"type": "string"

} //this may need to be changed, we can set up an endpoint to accept the file Blob, you can use any image or file url currently, 10 mb limit

}

// Response: Applicant id string

// Note: When they are able to log in this endpoint may need to be changed

//-------------------------------------------

// GET api/events

// Description: Returns 10 most recent events

// Path parameters:

// Request body:

// Response:

{

"type": "array",

"items": {

"id": {

"type": "string"

},

"applicantId": {

"type": "string",

"required": false

},

"type": {

"type": "integer",

"enum": [

0, // NotSet

1, // NewApplication

2, // ExistingApplicantApplication

3, // UserSearch

4, // UserJobView

5 // GeneralApplication

]

},

"value": {

"type": "string"

},

"createdDate": {

"type": "string"

},

"notes": {

"type": "string"

}

}

}

//-------------------------------------------

// POST api/events

// Description: Creates an event, applications are a type of event

// Path parameters:

// Request body:

{

"id": {

"type": "string",

"required": false

},

"applicantId": {

"type": "string",

"required": false

},

"type": {

"type": "integer",

"enum": [

0, // NotSet

1, // NewApplication

2, // ExistingApplicantApplication (not in use)

3, // UserSearch

4, // UserJobView

5 // GeneralApplication

]

},

"value": {

"type": "string"

},

"notes": {

"type": "string"

} //this is truncated to 500 characters

}

// Response: Event id string

//-------------------------------------------

// GET api/jobOrders/{id}

// Description: Returns a job order, up to 3 related jobs and recruiters assigned to the order

// Path parameters: id (string)

// Request body:

// Response:

{

"jobOrder": {

"id": {

"type": "string"

},

"active": {

"type": "string"

},

"city": {

"type": "string"

},

"jobTitle": {

"type": "string"

},

"locationId": {

"type": "string"

},

"modifiedDate": {

"type": "string"

},

"datePosted": {

"type": "string"

},

"expirationDate": {

"type": "string"

},

"stateProvince": {

"type": "string"

},

"summary": {

"type": "array",

"items": {

"type": "string"

}

},

"jobType": {

"type": "string"

},

"responsibilities": {

"type": "array",

"items": {

"type": "string"

}

},

"experience": {

"type": "array",

"items": {

"type": "string"

}

},

"skills": {

"type": "array",

"items": {

"type": "string"

}

},

"benefits": {

"type": "array",

"items": {

"type": "string"

}

},

"zipCode": {

"type": "string"

},

},

"recruiters": {

"type": "array",

"items": {

"fullName": {

"type": "string"

},

"email": {

"type": "string"

}

}

},

"relatedJobOrders": {

"type": "array",

"items": {

"id": {

"type": "string"

},

"active": {

"type": "string"

},

"city": {

"type": "string"

},

"jobTitle": {

"type": "string"

},

"locationId": {

"type": "string"

},

"modifiedDate": {

"type": "string"

},

"datePosted": {

"type": "string"

},

"expirationDate": {

"type": "string"

},

"stateProvince": {

"type": "string"

},

"summary": {

"type": "array",

"items": {

"type": "string"

}

},

"jobType": {

"type": "string"

},

"responsibilities": {

"type": "array",

"items": {

"type": "string"

}

},

"experience": {

"type": "array",

"items": {

"type": "string"

}

},

"skills": {

"type": "array",

"items": {

"type": "string"

}

},

"benefits": {

"type": "array",

"items": {

"type": "string"

}

},

"zipCode": {

"type": "string"

}

}

}

}

//-------------------------------------------

// GET api/jobOrders/search

// Description:

// Path parameters:

// Request body:

{

"limit": {

"type": "integer",

"required": false,

"default": 10

},

"offset": {

"type": "integer",

"required": false,

"default": 0

},

"radius": {

"type": "integer",

"required": false

},

"search": {

"type": "string"

},

"zip": {

"type": "string",

"required": false

}

}

// note: limit and offset are for paging, limit is the page size, offset is how many to skip (set it to page size \* page - page size)

// Response:

{

"totalCount": {

"type": "integer"

},

}

//-------------------------------------------

/\*

public enum EventType

{

NotSet = 0,

NewApplication = 1, // use for job applications

ExistingApplicantApplication = 2,

UserSearch = 3,

UserJobView = 4,

GeneralApplication = 5 // use for general application

}

\*/