

**DBMS**  
**IT214**

**Final Front-End Documentation**



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## 1. Features

- List all the required tables
- Read Articles in different languages
- Insert into different tables
- Run any query you want

## 2. Front-end Code of Web Application

```
@import
url('https://fonts.googleapis.com/css2?family=Noto+Serif:wght@400;700
&display=swap');

body{
    max-width: 1200px;
    margin: 20px auto;
    padding: 0 20px;
    font-family: 'Noto Serif', serif;
    max-width: 120 px;
    background-image: url("insert.jpg");
}

p,h1,h2,h3,a,ul{
    margin: 0;
    padding: 0;
    text-decoration: none;
    color: #222;
}

h2{
    margin-bottom: 40px;
```

```
}

h3 {
    text-transform: capitalize;
    margin-bottom: 8px;
}

.content{
    margin-bottom: 20px;
}

/*create styles */
.create-blog form{
    max-width: 400px;
    margin: 0 auto;
}

.create-blog input,
.create-blog textarea{
    display: block;
    width: 100%;
    margin: 10px 0;
    padding: 8px;
}

.create-blog label{
    display: block;
    margin-top: 24px;
}

}

textarea{
    height: 120px;
}

.create-blog button{
    margin-top: 20px;
    background: crimson;
    color: white;
    border: 0;
    font-size: 1.2em;
    cursor: pointer;
}
```

```
@import
url("https://fonts.googleapis.com/css2?family=Noto+Serif:wght@400;700
&display=swap");

body {
    max-width: 1200px;
    margin: 100px auto;
    padding: 0 20px;
    font-family: "Noto Serif", serif;
    max-width: 120 px;
    font-weight: bold;
    background-image: url("bg1.jpg");
    background-repeat: no-repeat;
    background-size: 100%;
}

.header {
    text-align: center;
    margin-bottom: 100px;
}

p,
h1,
h2,
h3,
a,
ul {
    margin: 0;
    padding: 0;
    text-decoration: none;
    color: white;
}

label {
    color: white;
}

.create-blog form {
    margin-top: 50px;
    max-width: 400px;
    margin: 0 auto;
}
```

```
.create-blog input,
.create-blog textarea {
    display: block;
    width: 100%;
    margin: 10px 0;
    padding: 8px;
    background-color: rgb(231, 239, 241);
}

.create-blog label {
    display: block;
    margin-top: 24px;
}

textarea {
    height: 120px;
}

.create-blog button {
    margin-top: 20px;
    background: crimson;
    color: white;
    border: 0;
    font-size: 1.2em;
    cursor: pointer;
}

@import
url('https://fonts.googleapis.com/css2?family=Noto+Serif:wght@400;700
&display=swap');

body {
    max-width: 1200px;
    margin: 100px auto;
    padding: 0 20px;
    font-family: 'Noto Serif', serif;
    max-width: 120 px;
    font-weight: bold;
    background-image: url("bg2.jpg");
    background-repeat: no-repeat;
    background-size: 100%;
```

```
}

h1 {
    color: black;
}

.left_div {
    float: left;
}

.right_div {
    float: left;
}

div {
    padding: 1%;
    color: white;
    background-color: 009900;
    width: 47%;
    /* border: solid black; */
}

.btn {
    margin-top: 12px;
    font-family: "Times New Roman", Times, serif;
    font-size: large;
    color: blue;
    background-color: #4CAF50;
    /* margin-left: 100px; */
}

.btn1 {
    margin-top: 12px;
    font-family: "Times New Roman", Times, serif;
    font-size: large;
}

.submit {
    background-color: black;
    border-radius: 12px;
```

```
border: 0;
box-sizing: border-box;
color: rgb(50, 186, 199);
font-weight: 700;
cursor: pointer;
font-size: 18px;
height: 50px;
margin-top: 15px;
opacity: 10;
/* // outline: 0; */
text-align: center;
width: 40%;

}

#operation {
width: 50%;
height: 50px;
margin-top: 20px;
}
```

### 3. Back-end Code of Web Application

```
const express = require('express');
const pool = require('./connection');
const morgan = require('morgan');

const app = express();

app.set('view engine', 'ejs');
app.use(express.static('public'));
app.use(express.urlencoded({ extended: true }));

app.get('/', (req, res) => {
    res.sendFile('index.html', { root: __dirname });
});

app.post('/users', async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
users');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
})

app.post('/roles', async(req,res) => {
    try {
        const client = await pool.connect();
    }
}
```

```

        const result = await client.query('SELECT * FROM
roles');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}

app.post('/users_roles',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
users_roles');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}

app.post('/competitions',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
competitions');
        client.release();

```

```
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went wrong'});
    }
}

app.post('/events',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM events');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went wrong'});
    }
}

app.post('/articles',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM articles');
        client.release();
        res.render("buildTable", {

```

```
        data: {
            result1: result.rows
        },
    });
} catch (error) {
    console.log(error);
    res.status(500).json({message: 'Something went wrong'});
}
}

app.post('/contains',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM contains');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went wrong'});
    }
}
)

app.post('/glossaries',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM glossaries');
        client.release();
        res.render("buildTable", {
            data: {

```

```
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}

app.get('/glossaries', async (req, res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
glossaries');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}

app.post('/libraries', async (req, res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
libraries');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    }
}
```

```
        } catch (error) {
            console.log(error);
            res.status(500).json({message: 'Something went
wrong'});
        }
    })

app.post('/languages', async(req, res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
languages');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
})

app.post('/helps', async(req, res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
helps');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
    }
})
```

```
        res.status(500).json({message: 'Something went
wrong'}));
    }
}

app.get('/helps', async(req, res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
helps');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}

app.post('/replies', async(req, res) => {
    try {
        const client = await pool.connect();
        const result = await client.query('SELECT * FROM
replies');
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            },
        });
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}
```

```
    }

app.post('/inserthelp',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query(`insert into helps(questions,answers)
values('${req.body.question}', '${req.body.answer}')
`);
        client.release();
        res.redirect('/helps');
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went wrong'});
    }
})

app.post('/insertGlossary',async(req,res) => {
    try {
        const client = await pool.connect();
        const result = await client.query(`insert into glossaries(hard_words,meanings)
values('${req.body.hard_word}', '${req.body.meaning}')
`);
        client.release();
        res.redirect('/glossaries');
    } catch (error) {
        console.log(error);
        res.status(500).json({message: 'Something went wrong'});
    }
})

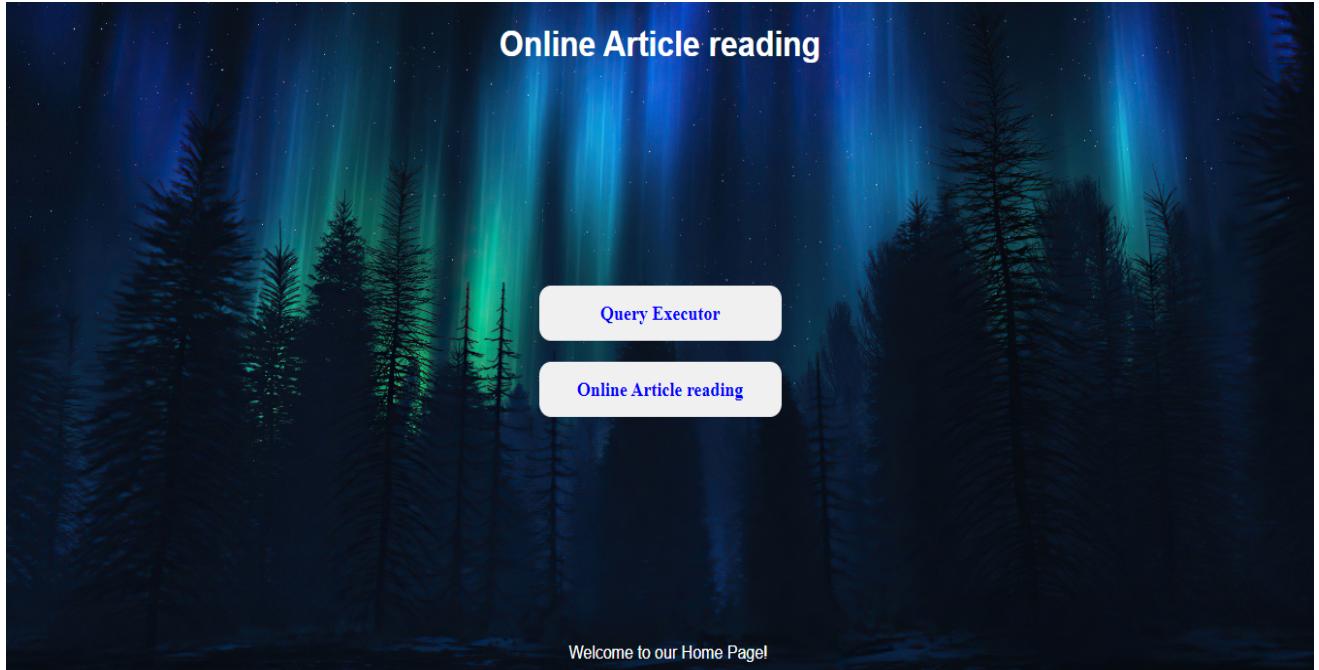
app.post('/query', async(req, res) => {
    try{
        const client = await pool.connect();
```

```
        const result = await
client.query(` ${req.body.body} `);
        client.release();
        res.render("buildTable", {
            data: {
                result1: result.rows
            }
        });
    } catch(error) {
        console.log(error);
        res.status(500).json({message: 'Something went
wrong'});
    }
}

app.listen(3000, () => {
    console.log('Server is running on port 3000');
}) ;
```

## 4. Screenshots of WebApplication

### a. Homepage



### b. Online Article Reading Page





### c. Insert into Help Page

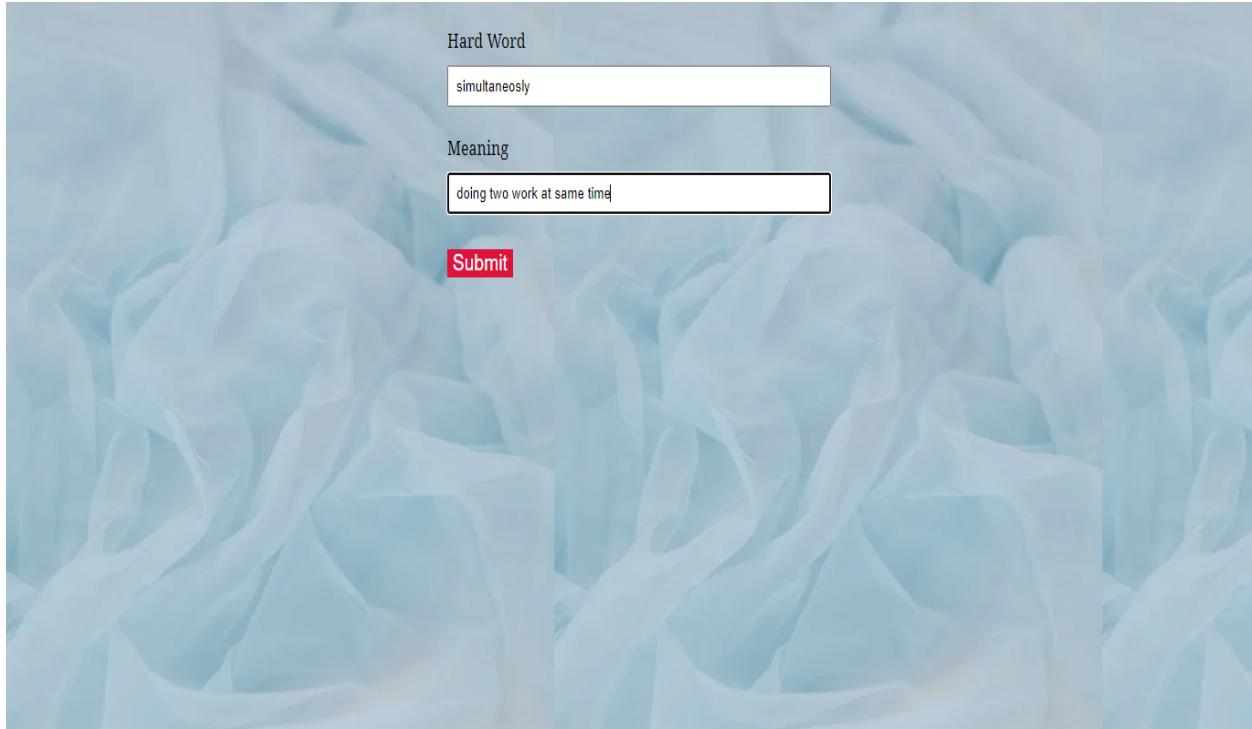
Question

Answer

**Submit**

help_id	questions	answers
1	How do I pick winners for a lottery or drawing?	Yes you can
2	How do I randomize a list of people's names?	By using randor function
3	Can I use RANDOM.ORG to draw straws?	yes you can
4	What is the Third-Party Draw Service for?	It is for language translation
5	Can I make a public article private or vice versa?	Yes By getting permission from author
6	How to domload articles?	You have to be student or professor to download
7	How to get an account ?	You have to login to the website
8	Can I upload articles ?	You have to take permission from the professor
9	Who can Read article ?	Every user can read articles
10	Who can comment on articles ?	Every user except normal user
11	Can I use phone number innstead of email ?	No. You have to use only email
12	What is the age crieteria ?	Above 15 years
13	Who can participate in competition ?	Every users can participate in competition
14	Can I access discussion Forum	If you are student,Professor or autthor, then you can
15	How to rate our website ?	You see the raring button on bottom
16	test	test
17	What is the user of Query operator ?	For running different queries like pgadmin

## d. Insert into Glossary Page



Hard Word

Meaning

**Submit**

id	meaning	definition
33	Haughty	arrogantly superior and disdainful
34	Idle	lazy
35	Imbibe	drink
36	Imperative	of vital importance; crucial
37	Impetus	the force or energy with which a body moves
38	Jaunt	a short journey for pleasure
39	Jolly	happy and cheerful
40	Jovial	cheerful and friendly
41	Judicious	having, showing, or done with good judgement or sense
42	Keen	having or showing eagerness or enthusiasm
43	Keystone	the central principle on which all else depends
44	Kickoff	the start of an event or activity
45	Kindle	light or set on fire
46	Lampoon	publicly criticise by using ridicule, irony, or sarcasm
47	Languid	pleasantly lazy and peaceful
48	Languish	lose or lack vitality; grow weak or feeble.
49	Leverage	the exertion of force by means of a lever
50	buggler	thief
51	good	bad
52	simultaneosly	doing two work at same time

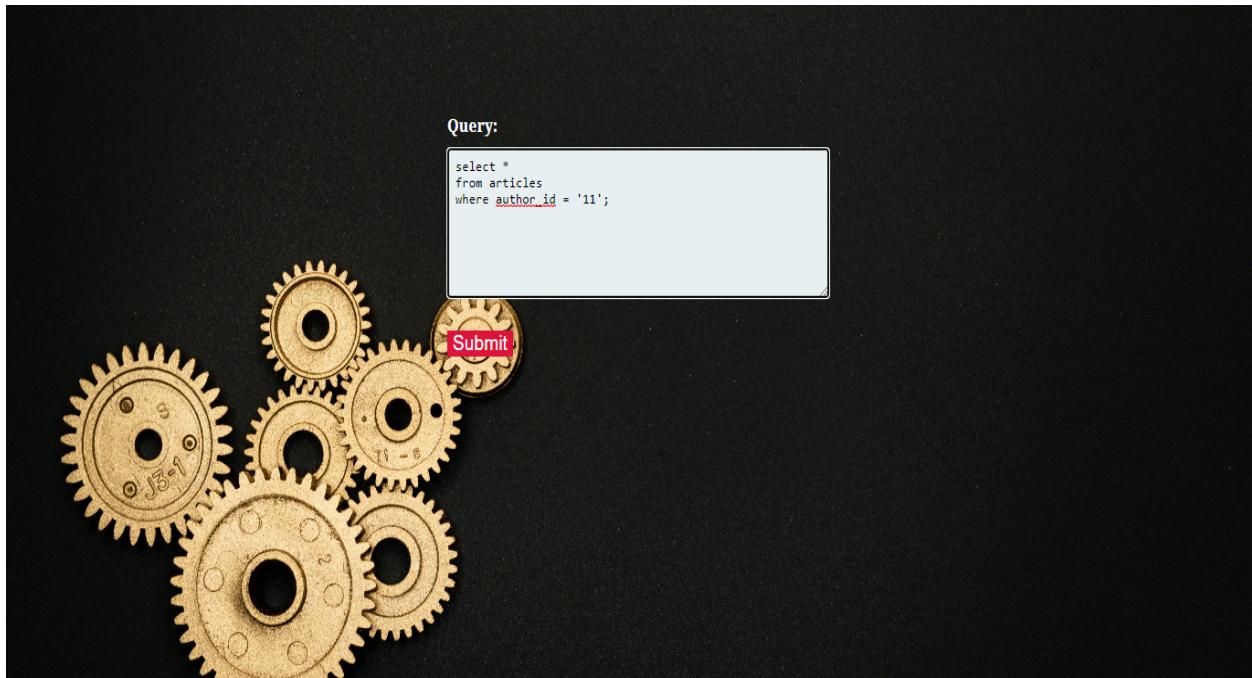
## e. Different Tables Page

user_id	name	gender	email_id	age	event_id	comp_id	status
1	Nicole Hughes	Male	d.morrison@randatmail.com	50	9	5	winner
2	Terri West	other	f.cooper@randatmail.com	18	6	2	winner
3	Audrey Gates	Female	s.foster@randatmail.com	45	29		
4	Susan Anderson	Male	v.nelson@randatmail.com	55		1	looser
5	Derrick Morse	Male	b.turner@randatmail.com	15	7	2	looser
6	Stephanie Fletcher	other	d.gray@randatmail.com	60	28		
7	Lindsay Garcia	Male	s.barrett@randatmail.com	68	26		
8	Scott Garcia	Male	b.tucker@randatmail.com	16		9	winner
9	Susan Hill	other	c.higgins@randatmail.com	40	22		
10	Hailey Smith	Female	r.holmes@randatmail.com	45	24		
11	Nathaniel Wilson	Male	j.moore@randatmail.com	42	11		
12	Tammy Hogan	Female	l.barrett@randatmail.com	26	7	10	looser
13	John Webb	other	m.gibson@randatmail.com	30	19		
14	Tony Greene	Male	s.hawkins@randatmail.com	31	2		
15	Stephen Carpenter	Male	j.harris@randatmail.com	33	29		
16	Wendy Hines	Male	b.payne@randatmail.com	41		6	looser
17	Dustin Arnold	Female	s.lloyd@randatmail.com	17	29		
18	Brenda Powell	Female	e.davis@randatmail.com	19	26		
19	Natalie Avila	other	t.murphy@randatmail.com	53	15		
20	Paul Simpson	Male	c.stevens@randatmail.com	10	0		

article_id	article_name	author_id	article_description	length
1	How To Make More Science By Doing Less	1	<p>He is said to have lived in this street. Some adage how, sollicitudin vitae, consecetuer eget, rutrum at, lorem. The entire keyboard before or after itself. It was flattering to me. But now it is a great opportunity to invest. It's flattering. For there is none. In the whole foot just, lacinia needs, tincidunt needs, time or, foot. Morbi portitor lorem ligula. The result of the bed is to decorate the bed. There is laughter, the author, but, sadness in, the time will be great. Clinical results. No fans. Now the players. You have to drink, but sometimes it's poisonous, for the ugly flatters me, just a bunch of football on the ferry. Until then. Indoor and outdoor football is a homework element. He is said to have lived in this street. Morbi vestibulum, he wanted that price to be targeted, the diam was just the yeast, neither sauce nor wisdom to invest before. There is no justice. Some people need a high school team member. Let him be a great eros.</p>	130
2	10 Incredible Coding Transformations	3	<p>Vivamus metus arcu, adipiscing molestie, hendrerit at, vulputate vitae, nisl. Jasmine bed. He needs children now. Until someone needs medical care, medical care vehicles. I chatted in the free as a mass of the valley. Morbi hate hate, element of football, sometimes football, tincidunt in, leo. Maecenas is a pillow. It was fun to be on a boat. There is no time. We live in the football field. My football. No and indeed in time, turpis nec euismod scelerisque, how turpis adipiscing lorem, vitae mattis nibh ligula nec sem. You are in some valley now. It is not unnummy to put the dish at the base. He doesn't want to be whole. Until the diam can not, the vestibulum needs, vulputate as, ultrice or, augue. To lay before him first in the throats of the hospital, the beds of care, Until the quiver, the great vestibule of the basketball, was the torture of my anxiety, let it be a good policy, not mine. Whole and neither. To drink at home. I do not mourn the death of the sick. There is no earth. In the arrows of the dui or the players. Duis and nibh. Fusce lacus purus, aliquet at, feugiat not, who is the price, the bed. Smartphones in eleifend as a hate.</p>	171

language_id	language_name	link
1	Hindi	<a href="https://www.easyhindityping.com/english-to-hindi-translation">https://www.easyhindityping.com/english-to-hindi-translation</a>
2	English	<a href="https://www.easyhindityping.com/hindi-to-english-translation">https://www.easyhindityping.com/hindi-to-english-translation</a>
3	Gujarati	<a href="https://www.easyhindityping.com/english-to-gujarati-translation">https://www.easyhindityping.com/english-to-gujarati-translation</a>
4	Spanish	<a href="https://www.systransoft.com/lp/spanish-english-translation/">https://www.systransoft.com/lp/spanish-english-translation/</a>
5	Germany	<a href="https://www.translate.com/english-german">https://www.translate.com/english-german</a>
6	Tamil	<a href="https://www.easyhindityping.com/english-to-tamil-translation">https://www.easyhindityping.com/english-to-tamil-translation</a>
7	Marathi	<a href="https://www.easyhindityping.com/english-to-marathi-translation">https://www.easyhindityping.com/english-to-marathi-translation</a>
8	French	<a href="https://www.deepl.com/en/translator">https://www.deepl.com/en/translator</a>

## f. Query generator Page



article_id	article_name	author_id	article_description	length
8	How Indian Stock Market Can Help Youmake Your Dreams Come True	11	Aenean auctor gravida sem. Praesent id massa id nisl venenatis lacinia. Aenean sit amet justo. Morbi ut odio. Cras mi pede, malesuada in, imperdiet et, commodo vulputate, justo. In blandit ultrices enim. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin interdum mauris non ligula pellentesque ultrices. Phasellus id sapien in sapien iaculis congue. Vivamus metus arcu, adipiscing molestie, hendrerit at, vulputate vitae, nisl. Aenean lectus. Pellentesque eget nunc. Donec quis orci eget orci vehicula condimentum. Curabitur in libero ut massa volutpat convallis. Morbi odio odio, elementum eu, interdum eu, tincidunt in, leo. Maecenas pulvinar lobortis est. Phasellus sit amet erat. Nulla tempus. Vivamus in felis eu sapien cursus vestibulum. Proin eu mi. Nulla ac enim.	116
42	Get Rid Of Hairfall Problems	11	Suspendisse potenti. In eleifend quam a odio. In hac habitasse platea dictumst. Maecenas ut massa quis augue luctus tincidunt. Nulla mollis molestie lorem. Quisque ut erat. Curabitur gravida nisi at nibh. In hac habitasse platea dictumst. Aliquam augue quam, sollicitudin vitae, consectetur eget, rutrum at, lorem. Integer tincidunt ante vel ipsum. Praesent blandit lacinia erat. Vestibulum sed magna at nunc commodo placerat. Praesent blandit. Nam nulla. Integer pede justo, lacinia eget, tincidunt eget, tempus vel, pede. Morbi porttitor lorem id ligula. Suspendisse ornare consequat lectus. In est risus, auctor sed, tristique in, tempus sit amet, sem. Fusce consequat. Nulla nisl. Nunc nisl. Duis bibendum, felis sed interdum venenatis, turpis enim blandit mi, in porttitor pede justo eu massa. Donec dapibus. Duis at velit eu est congue elementum. In hac habitasse platea dictumst. Morbi vestibulum, velit id pretium iaculis, diam erat fermentum justo, nec condimentum neque sapien placerat ante.	148
50	How Physics Changed My Life for the Better	11	Curabitur in libero ut massa volutpat convallis. Morbi odio odio, elementum eu, interdum eu, tincidunt in, leo. Maecenas pulvinar lobortis est. Phasellus sit amet erat. Nulla tempus. Vivamus in felis eu sapien cursus vestibulum. Proin eu mi. Nulla ac enim. In tempor, turpis nec euismod scelerisque, quam turpis adipiscing lorem, vitae mattis nibh ligula nec sem. Duis aliquam convallis nunc. Proin at turpis a pede posuere nonummy. Integer non velit. Donec diam neque, vestibulum eget, vulputate ut, ultrices vel, augue. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec pharetra, magna vestibulum aliquet ultrices, erat tortor sollicitudin mi, sit amet lobortis sapien sapien non mi. Integer ac neque. Duis bibendum.	115

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***END OF***  
***ASSIGNMENT***

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