Quizzical

The Development Cycle

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Project Task

- Web based testing tool to manage and administer tests
- Have Admin and user accounts
- Admins can create, edit, and administer tests
- Users can view their grades
- Support MC and T/F questions
- Support CSV test file uploads

Stack

- React Front-end
- Node Backend
- MySql Database Hosted on AWS
- Express Framework for Node
- Heroku for Deployment

React:

- Example React Code from our project:
- React blends HTML and Javascript into JSX
- Build object-like front end pieces called components
- Hooks, statefull, and stateless components

```
children.push(<td><Link className="btn btn-success btn-space" to={{
  pathname: "/AdminViewTest",
  state: {
    questionId : this.state.questionList[i].questionId,
    questionText : this.state.questionList[i].questionText,
    questionAnswer1 : this.state.questionList[i].questionAnswer1,
    questionAnswer2 : this.state.questionList[i].questionAnswer2,
    questionAnswer3 : this.state.questionList[i].questionAnswer3,
    questionAnswer4 : this.state.questionList[i].questionAnswer4,
    questionAnswer5 : this.state.questionList[i].questionAnswer5,
    questionAnswer6 : this.state.questionList[i].questionAnswer6
  }
}}>View</Link></td>)
children.push(<td><Link className="btn btn-danger btn-space" to="/createTest"
onClick={this.deleteQuestion.bind(this, this.state.questionList[i])}>Delete</Link></td>)
//Create the parent and add the children
list.push(<tr>{children}</tr>)
}
return list
}
render() {
    return(
        <div className="dashboard">
          <div className="row">
            <div className="col-md-8 m-auto">
                <h1 className="display-4 text-center">CREATE TEST</h1>
            </div>
          </div>
          <div className="row">
            <div className="col-md-12">
              <table className="table">
                <tr>
                  <th scope="col">Test Name:</th>
                  <th scope="col">Test Description:</th>
                  <th scope="col">Time Alloted</th>
                </tr>
                <tr>
                  <td className="align-middle">
```
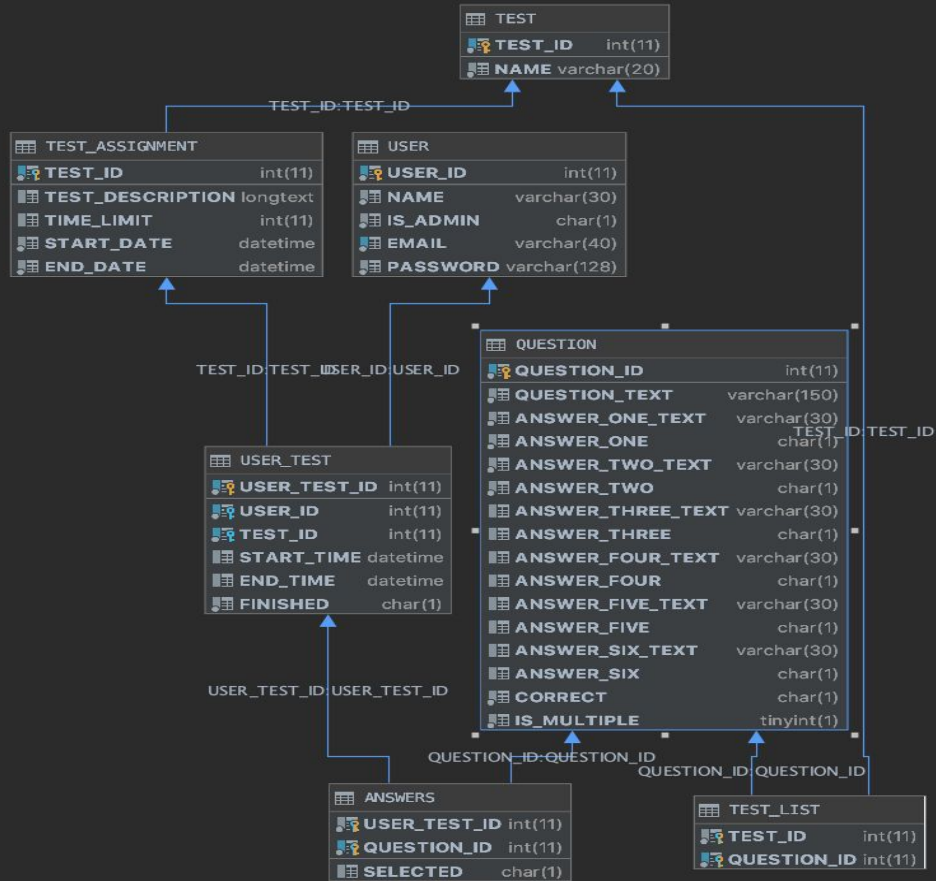
Material design

- A design pushed by google to create cleaner interfaces
- The page consists of layered elements to create a clean interface and illusion of depth
- The React framework is useful in creating Material design interfaces

Database Design

Version Control
GitHub

Undo
Redo
Pull
Push
Branch
Stash
Pop
Boards

Quzzical
kostin

Viewing 10/10   Show All

Filter (⌘ + Option + f)

LOCAL   3/3
  Dev-Branch   2↑ 8↓
  kostin   2↑
  Sean-branch   75↓

REMOTE   7/7
  origin
    Ari_branch
    Cory-Branch
    Dev-Branch
    kostin
    master
    rob
    Sean-branch

STASHES   3
  On kostin: Auto stash ...
  On kostin:
  On Sean-branch:

PULL REQUESTS   0

TAGS   0/0

SUBMODULES   0

// WIP   3

Dev-Branch   Merge remote-tracking branch 'origin/Dev-Branc...   1 hour ago
              fixed bug in upload post in admin
              Added Comment
              Merge remote-tracking branch 'origin/Dev-Branch' into Dev...
              fix a small bug in the csv parser in upload   12 hours ago
              Parse Questions coming from csv file -Ari
              started to make csv data into something useable
              Merge pull request #6 from quizzical418y/kostin   yesterday
Dev-Branch   Merge branch 'kostin' into Dev-Branch
Cory-Branch   Merge remote-tracking branch 'origin/Dev-Branch' into Cor...
✔ kostin   Merge remote-tracking branch 'origin/Dev-Branch' into kos...
              WIP on kostin: Auto stash before merge of "kostin" and "ori...
              added functionality to store each row in a array of objects
kostin   Merge remote-tracking branch 'origin/Dev-Branch' into kos...
Sean-branch   add csv upload and parsing functionality   2 days ago
              Merge branch 'Sean-branch' of github.com:quizzical418y/Q...
              Merge remote-tracking branch 'origin/Dev-Branc...   5 days ago
              Merge branch 'Dev-Branch' into kostin
              Merge branch 'kostin' into Dev-Branch
              Can now render a test from the database   6 days ago
Ari_branch   Merge remote-tracking branch 'origin/Dev-Branch' into Ari_...
              Merge branch 'Dev-Branch' into kostin

3 file changes on kostin

                                    Path   Tree

▼ Unstaged Files (3)   Stage all changes

  routes/api/admin.js

  testing/src/components/test/MultipleChoice.js

  testing/src/components/test/Test.js

▼ Staged Files (0)

Commit Message   ☐ Amend

  Summary

  Description

          Stage files/changes to commit

Feedback   NON-COMMERCIAL   5.0.4
100%

Sprint Plans

Task ID	Task Name	Duration	Start	End	Status	Responsible	Predecessor
	Sprint 1	7 days	3/25/19	4/1/19	complete	Kostin G	
1	FrameWork	7 days	3/25/19	4/2/19	complete	Cory Marriot	
2	Database	7 days	3/25/19	4/3/19	complete	Kostin G	
	Sprint 2	7 days	4/2/19	4/9/19	in progress	Kostin G	
3	create test	1 day	4/2/19	4/9/19	complete	Adam O'Leary	
4	create question	1 day	4/2/19	4/9/19	complete	Adam O'Leary	
7	Add question to test	1 day	4/2/19	4/9/19	complete	Cory Marriot	3, 4
	Sprint 3	7 days	4/10/19	4/17/19	complete	Kostin G	
11	Get Database Running on AWS	1 day	4/10/19	4/17/19	complete	Kostin G	
8	Ability to Create Admin Accounts	3 days	4/10/19	4/17/19	complete	Rob Kats	
9	Ability to take a test as Admin	2 days	4/10/19	4/17/19	complete	Sean Rowland	7
	Sprint 4	7 days	4/18/19	4/25/19	pending	Kostin G	
13	create a user	2 days	4/18/19	4/25/19	complete	Adam O'Leary	
	Sprint 5	4 days	4/25/19	4/29/19	pending	Rob Kats	
16	Create Slides	2 Days	4/25/19	4/29/19	pending	Ari Chai	
17	Switch To User View	1 Day	4/25/19	4/29/19	removed	Cory Marriot	
18	Setup SQL Querys	2 Days	4/25/19	4/29/19	in progress	Adam O'Leary	2
19	Deployment to server	1 Day	4/25/19	4/29/19	pending	Sean Rowland	1-15,18,20
20	Show grades/Testing Average	2 days	4/25/19	4/29/19	pending	Rob Kats	3,20
5	add question to bank	2 days	4/25/19	4/29/19	in progress	Cory Marriot	2

- Helped keep track of task statuses
- Effectively delegated tasks to team members
- Communicated which tasks were of higher priority
- Simple, concise task descriptions for weekly sprints

What went well

- Using the sprint plans to organize the completion of tasks
- Weekly meetings to keep the team updated and working
- Maintaining organized branches in our git repository
- Starting the project early
- Using weekly meetings to cleanly merge git repository and solve merge errors

What we would have done differently...

- Plan meetings and monitor attendance more effectively
- Follow up on task statuses with weekly meeting absentees
- Avoid pushing predecessor tasks back causing successors to take longer

Lessons learned

- The usefulness of git for working to team projects
- Backlog is important to track all requirements and their priorities
- The importance of active and often communication
- The role project management plays in development
  - Time management, disputes, ect

Log In

Sign in to your Quizzical account

Email Address

Password

Submit

USER DASHBOARD

USER INFO:

Name: adam
User ID: 6
Email: temp@temp.com
Account Type: Student

TESTS GRADES:

#	Test Name	Test ID	Take Test	Grade	Test Time
1	Example	1	Take Test		90
2	Example 2	2	Take Test		90

Do you wish to begin?

Yes   No

Name: Example

Test ID: 1

You have 90 to complete the test

Question #1)	Are you an admin?	unsaved

True   False

Question #2)	Who is the best?	unsaved

○ Kostin
○ Cory
○ Sean
○ Adam

Submit

ADMIN DASHBOARD

Name:	Email:	Create Account	Create Test	Upload Test	Update Password
Cory	cmarriott@albany.edu	Create Account	Create Test	Upload Test	Update Password

TESTS:

#	Test ID	Test Name	Description	View Test	Delete?
1	1	Example	new test	View	Delete
2	1	Example	new test	View	Delete
3	2	Example 2	this is a test	View	Delete

Question Bank:

#	Question ID	Question	Answer #1	Answer #2	Answer #3	Answer #4	View	Delete?

Upload Your File:

Choose File | No file chosen

Upload

Add Student

Create your Quizzical account

Name

Email Address

Password

Confirm Password

Is Admin (y/n)

Submit