

Agineek Fall 2021

Joseph R. Quinn

CIS 4951 - Capstone II

Knight Foundation School of Computing
and Information Sciences



Contributions

- Team role of Scrum Master/Capstone II Lead
 - Managed meetings, assigned tasks, directed flow of development
- Agineek Pad Plugin – Kotlin coding
- Agineek Website coding
- Agineek New Website coding



User Story #16: Coordinate cross-platform Dart implementations of native structures (10 points)

Acceptance Criteria:

1. Have working portions of the plugin running on both iOS and Android

Unit Tests:

1. Pass Flutter testing
2. Pass Flutter linting
3. Have a working model running on the application that connects to pads.



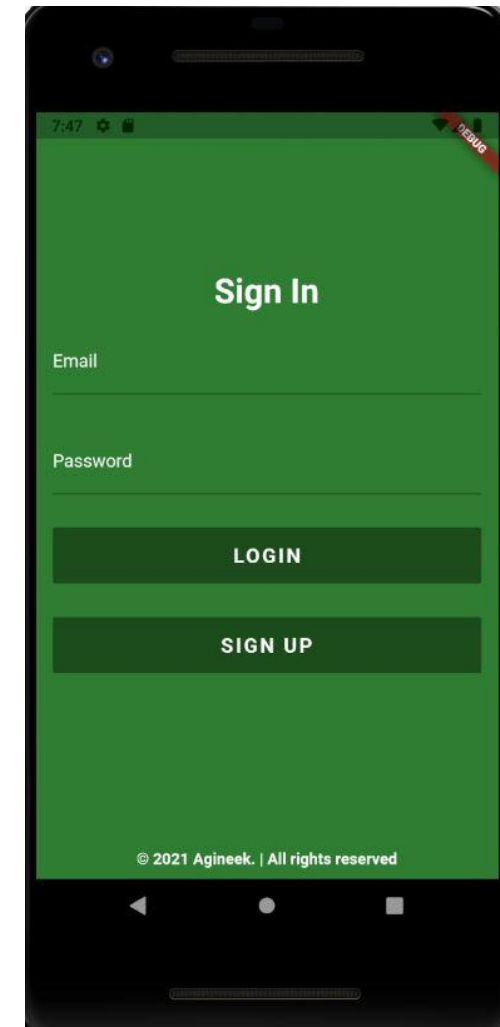
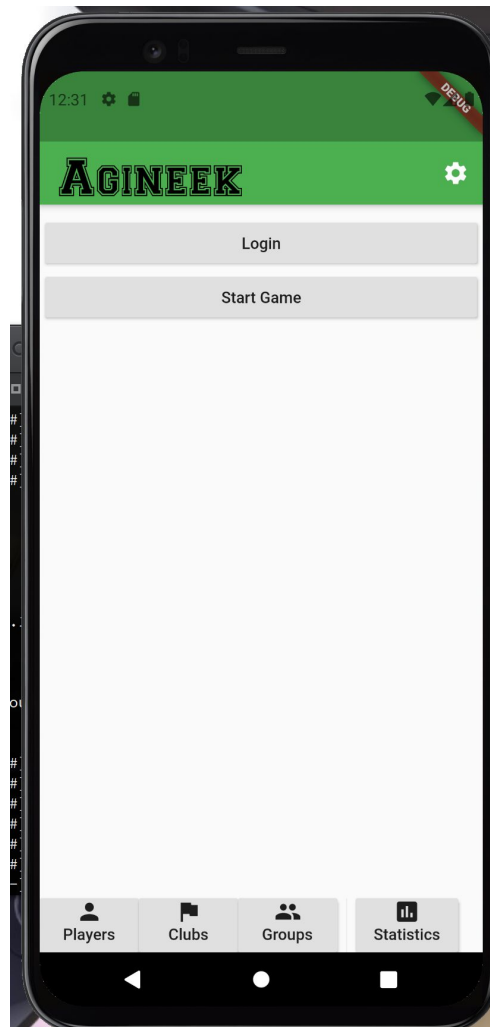


Agineek Phone App v2

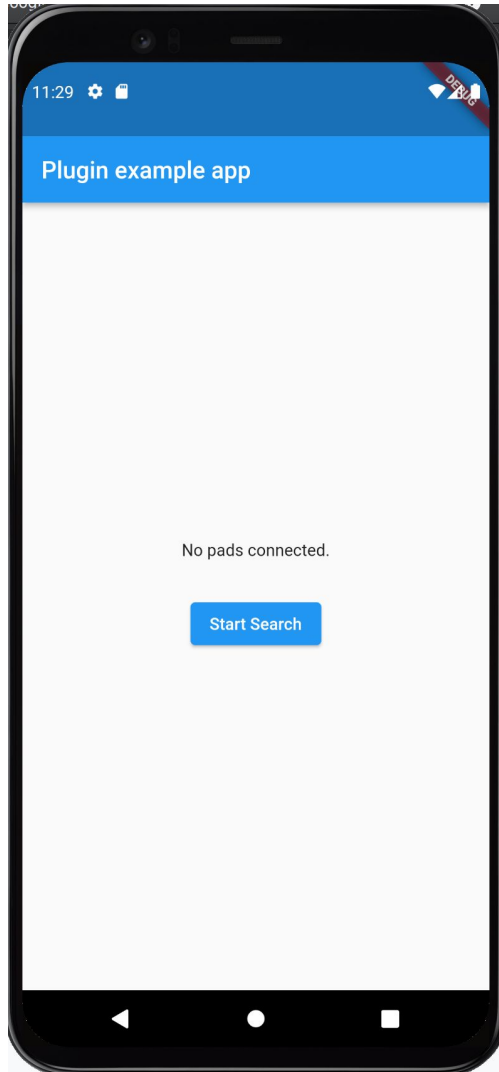
- Number of commits: 132
- Number of personal commits: 80
- Work:
 - Dart application
 - Kotlin plugin
 - Swift plugin



Agineek Phone App v2



Agineek Phone App v2 – Kotlin Pad Plugin



```
/**
 * AgineekPadPlugin
 *
 * @author Joseph R. Quinn
 * @since v1.0.0
 */
@kotlin.ExperimentalStdlibApi
class AgineekPadPlugin : FlutterPlugin,
    MethodCallHandler, StreamHandler {
    companion object {
        @JvmStatic private val Tag = "AgineekPadPlugin"
        @JvmStatic private val serviceStarted:
            AtomicBoolean = AtomicBoolean(false)
    }
    // The MethodChannel that will the communication
    // between Flutter and native Android
    //
    // This local reference serves to register the plugin
    // with the Flutter Engine and unregister it
    // when the Flutter Engine is detached from the
    // Activity
    private lateinit var channel: MethodChannel
    private lateinit var eventChannel: EventChannel
    private lateinit var context: Context
```



Agineek Website (Old)

- Reviewed code for security updates
- Added new API endpoints for logging in and registering for Phone Application
- Updated dependencies
- Outlined game plan for deploying website to new host
- Personal Git Commits - 12



Aagineek Website (Old)



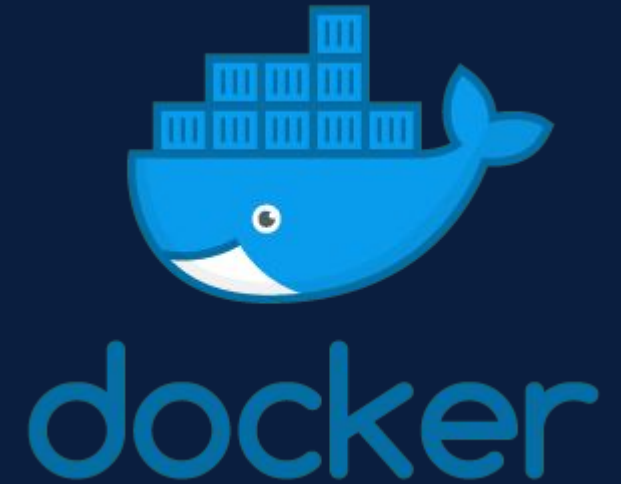
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Agineek Website (New)

- Scaffolded Application (NestJS + Angular Universal)
- Created GraphQL and REST API endpoints
- Created initial database schema
- Created initial Dockerfile and docker-compose orchestration
- Personal Git Commits: 15
- Worked with Open Source projects to enhance implementation:
 - PrismaJS, NestJS, Apollo-Angular

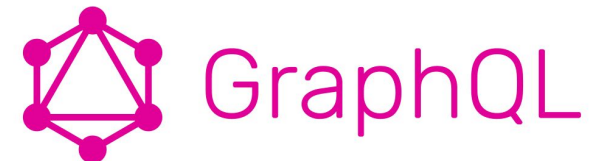


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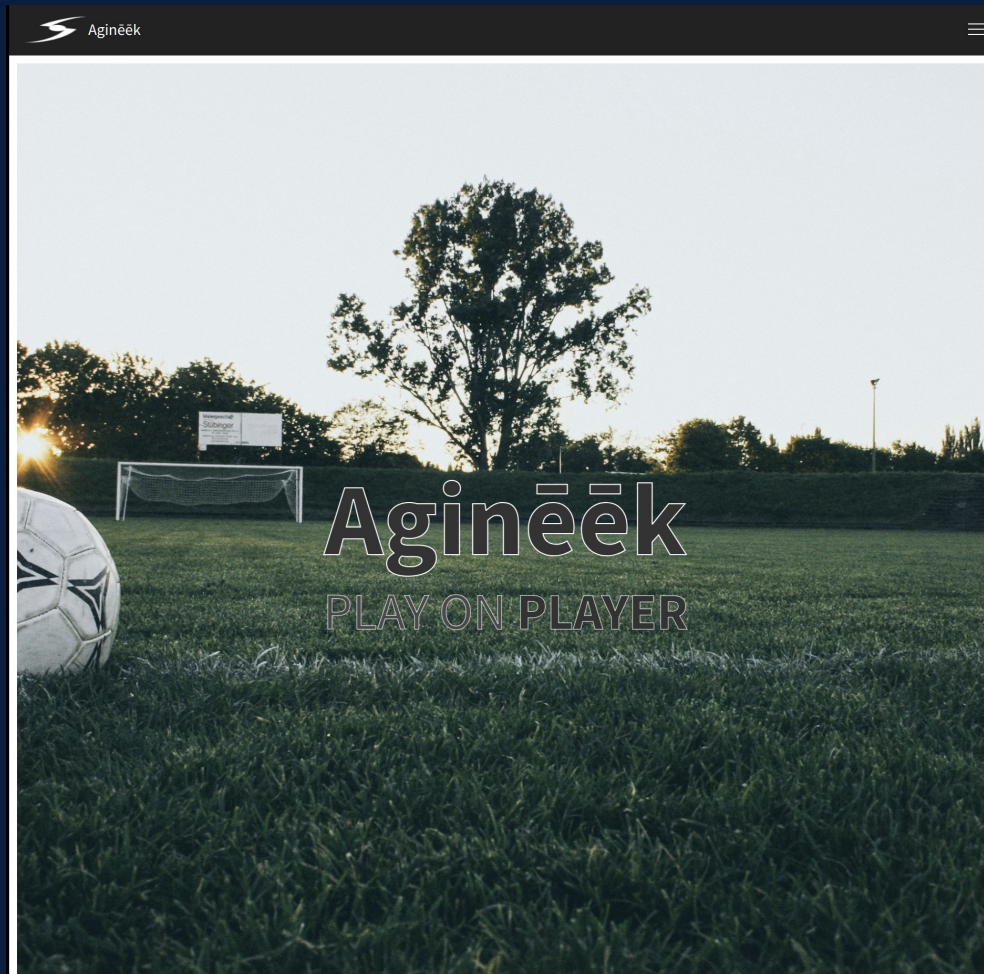
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Aagineek Website (New)



About
Works
Training
Contact



ABOUT AGINĒĒK

Aginēēk makes wireless stand-alone panels that run on batteries and display a matrix of LED lights. A typical set up is to have 3 or more panels during play. Each panel acts as a target for Soccer players to strike with a ball. The ball then rebounds back to the player while the players have to figure out the most efficient way to maneuver the ball and get to the next illuminated target.

The hardware system hooks up to the Agineek app which allows for unlimited variations of games. You can control the game type under a time limit and lighting sequences (random or pre-determined).



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Agineek Website (New)



Updating with Angular 13 support #1729

Open quinnjr wants to merge 4 commits into `kamilkisiela:master` from `quinnjr:angular-13-update`

Conversation 2 Commits 4 Checks 0 Files changed 26 +5,021 -2,115

quinnjr commented yesterday

- Updating dependencies to support Angular v13.
- Updating Jest.
- Updating Jest testing to work with Angular v13.
- Changing module output in root `tsconfig.json` to produce ES6 code.

NOTE:
I had to skip test 'should run inside Zone' at line 588 in `packages/apollo-angular/tests/Apollo.spec.ts` since `rxjs` no longer gives information on operator schedulers.

Checklist:

- ☐ If this PR is a new feature, please reference a discussion where a consensus about the design was reached (not necessary for small changes)
- ☒ Make sure all of the significant new logic is covered by tests
- ☐ Try to include the Pull Request inside of CHANGELOG.md

quinnjr commented yesterday

See: #1728

chore(schematics): Updating Schematic dependencies #742

Open quinnjr wants to merge 1 commit into `nestjs:master` from `quinnjr:update-schematics`

Conversation 0 Commits 1 Checks 0 Files changed 3 +8,754 -166

quinnjr commented 3 days ago

- Updating schematic dependencies to use `nestjs` ^8.0.0 and more up-to-date `class-validator` and `class-transformer`.
- Changing `@nguniversal/express-engine` to a peer dependency to allow for use of `@angular` v12 for those projects that don't want to update to v13 yet.

PR Checklist

Please check if your PR fulfills the following requirements:

- ☒ The commit message follows our guidelines: <https://github.com/nestjs/nest/blob/master/CONTRIBUTING.md>
- ☐ Tests for the changes have been added (for bug fixes / features)
- ☐ Docs have been added / updated (for bug fixes / features)

PR Type

What kind of change does this PR introduce?

Updates to `[/schematics/install/index.ts](/schematics/install/index.ts)` to bring the package's Nest dependencies up-to-date and to bring the `ng-universal/ng-universal` package up-to-date.

```
[ ] Bugfix
[ ] Feature
[ ] Code style update (formatting, local variables)
[ ] Refactoring (no functional changes, no api changes)
[ ] Build related changes
[ ] CI related changes
[x] Other... Please describe: Update chore
```

I'll upgrade our e2e tests so that this does not happen again. We do test webpack but don't perform a full bundle.

quinnjr commented 2 days ago

Confirmed working on my application.

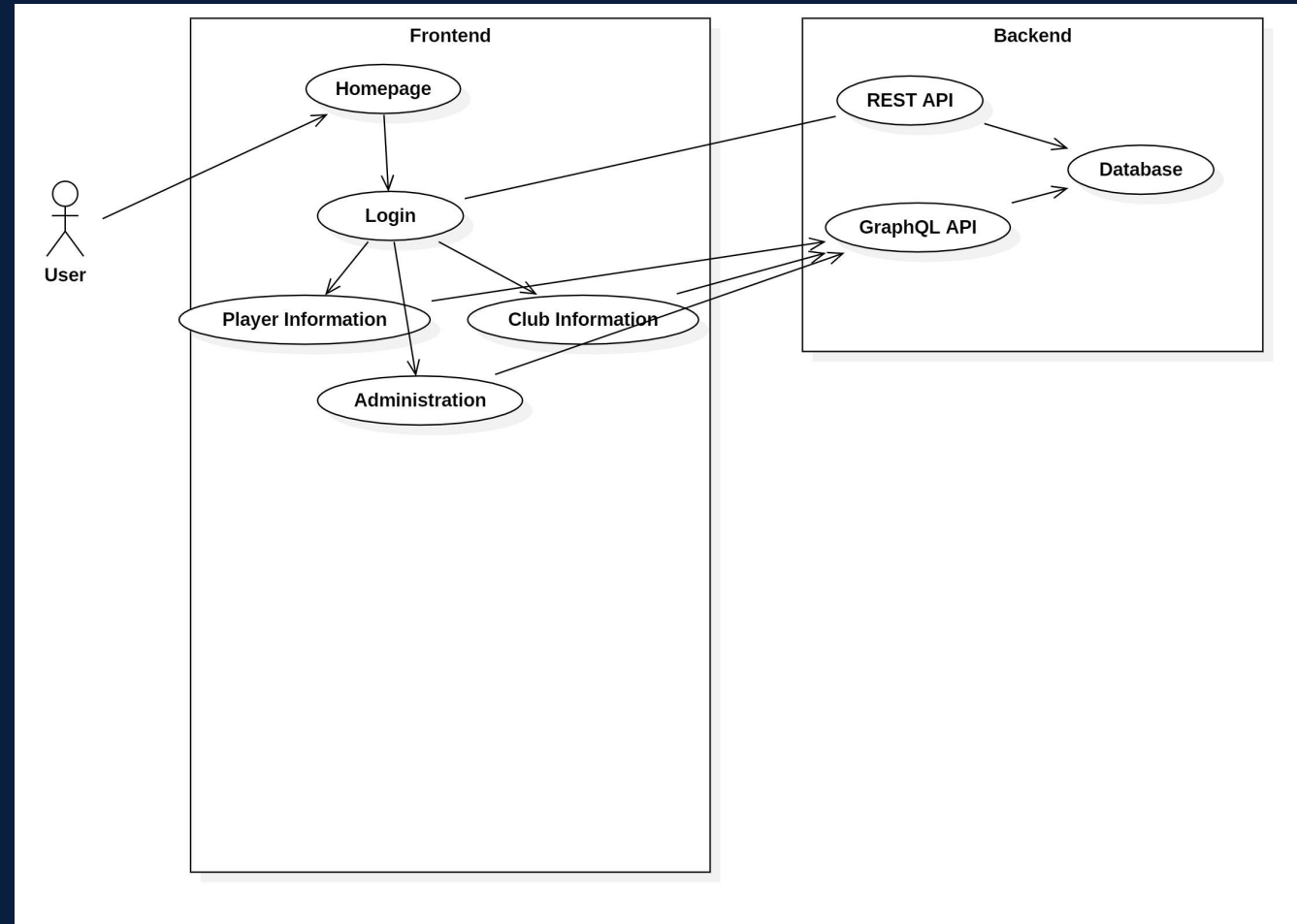
Thanks for the quick turn-around time @millsp.

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Agineek Website (New) – Use Case Diagram



Agineek Website (New) – Sequence Diagram

