<Tutify> Release 1

Team members

Name and Student id	GitHub id	Number of story points that member was an **author** on.
Claudia Feochari (40000060)	**compgirl123**	11 points
Cynthia Cherrier (40005808)	Cynthiac3	13 points
Jasmine Latendresse (40011419)	jaslatendresse	13 points
Tanya Multani (40008542)	tanyamultani	8 points
Bilal Nasir (40015010)	bilal101	8 points
Kasthurie Paramasivampillai (40025088)	kasthurie	8 points
Pierre Watine (40027675)	PWatine	11 points

Each group member is responsible for counting their own story points. It is the group leader's duty and responsibility to make sure they are accurate. Please keep in mind that we will check your GitHub stats. Note, if your email and github id are not linked properly you will not be counted properly.

You will lose 1 mark if links below are not clickable.

Project summary (max one paragraph)

Tutify is a web-based application that revolutionizes the way tutors and teachers interact with their students by providing them a more enhanced interactive learning experience. Unfortunately, hiring private tutors can be pricey for some parents and/or hard to find for specific courses. This application offers a solution; centralizing all tutors in a single place and rewarding them for tutoring courses that are the most in demand as well as providing

students who could not afford traditional tutoring a more affordable way to have access to course material. The app also supports document sharing between tutors and tutees as well as document publishing for free exercises for the entire Tutify community. That's right! Just having an account gives free learning resources.

Risk

Describe in bullet points or max one paragraph the most significant risk to the project. Conclude this discussion with how you have attacked this risk first (link to code or stories to provide concrete evidence)

1. Data provided by students and tutors on the application (their names, their email addresses). This might be risky in the rare case that a data leak occurred but this would be mitigated by using an appropriate database encryption system that will ensure that the data is kept safe and only permitted users are able to access it.

2. Copyright Fraud is also an issue as we need to ensure that services that are implemented in our application do not conflict with other services that have been implemented by other tutoring companies.

3. As this is the first sprint, time and effort can be underestimated at the beginning. The estimation will be adjusted for future sprints depending on how the team is performing.

Legal and Ethical issues

Describe in bullet points any legal or ethical issues. If they have been described above in the risks, simply note this.

1. If tutors want to sign up for our service, we will need to do a background check to verify their qualifications and history.

2. User data should be protected. The users of the web application should know who has access to their information and how the data is used. The users have rights to know if their information has been transferred to a third party.

3. Offensive content and inappropriate language is not permitted and will be considered as illegal, especially because the majority of the web app users will be children.

4. As mentioned in the list of risks, copyright is another legal issue. Copying content from other tutoring companies that already exist is prohibited.

Velocity

(make sure the iteration is **clickable link** to the milestone on github)
Only stories that have stakeholder signoff, demo steps, and tests are counted.

Please tag your released commit using "git tag iteration1"

Project Total: X stories, X points over X weeks

Sprint 1 **(4 stories, 24 points)**

User story 1 - Account creation (8 points)
As a user, I want to be able to create an account and log in. 1- Account creation: - Username - Password - Email - Level of education - Program 2-Login - Email - Password
User story 2 - Search for Tutor (8 points)
As a user, I want to be able to search for an available tutor for a course. Tasks: - Create a welcome page with a search button to redirect to search page - Create search page with space to display search results - Implement search function that changes display dynamically with content queried from the database

Developer story 1 - Environment setup (5)
As a developer, I want to have a functional environment to run the application. Tasks: - Install react locally - Set up the database

Developer story 2 - Continuous integration (3)
As a developer, I want to be able to automate the process for integration and deployment of the application. Tasks: - Integrate travis in our GitHub repo

- Setting up jasmine testing

Max four sentence paragraph describing main achievements.

Iteration 2 (X stories, X points)
Max four sentence paragraph describing main achievements.

Developer Story 3 - Setting Up Hosting with Docker

User Story 3 - Profile page for users

User Story 4 - Enhanced Search for tutors

User Story 5 - Register as a student of a specific tutor, tutor can see their list of students

Iteration 3, (X stories, X points)
Max four sentence paragraph describing main achievements.

User Story 6 - Tutor upload files to your profile and to a specific student

User Story 7 - Tutor sharing files to groups of students enrolled in specific courses.

Release 1 Total: X stories, X points over X weeks
Release 1 aka Iteration 4, (X stories, X points)
Max four sentence paragraph describing main achievements.

Iteration 5, (X stories, X points)
Max four sentence paragraph describing main achievements.

Iteration 6, (X stories, X points)
Max four sentence paragraph describing main achievements.

Iteration 7, (X stories, X points)
Max four sentence paragraph describing main achievements.

Release 2 Total: X stories, X points over X weeks
Release 2, Iteration 8, (X stories, X points)
Max four sentence paragraph describing main achievements.

...

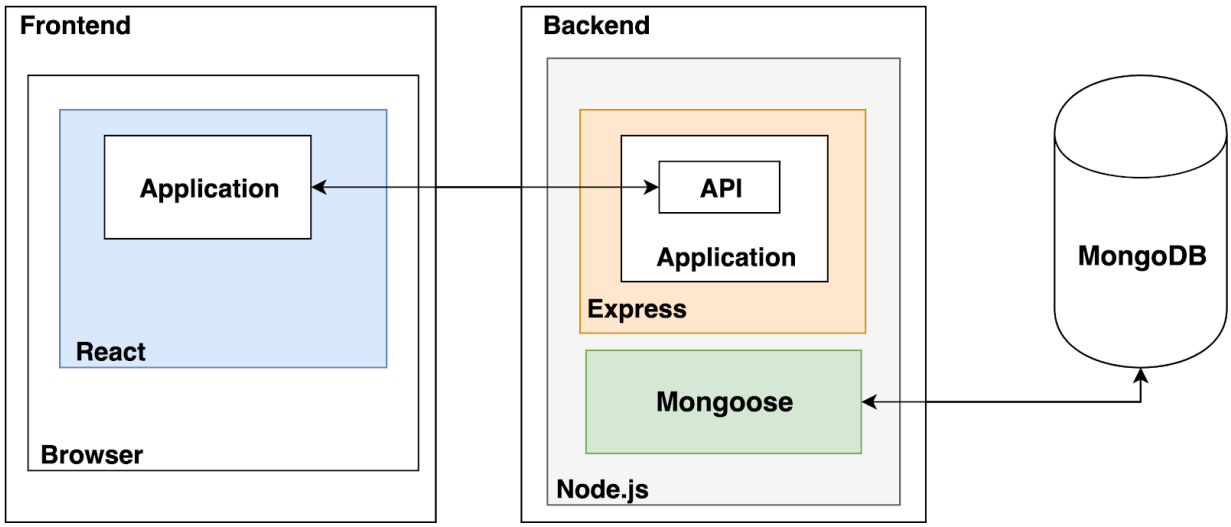
Release 3 Total: X stories, X points over X weeks
Release 3, Iteration 13, (X stories, X points)
Max four sentence paragraph describing main achievements.

Overall Arch and Class diagram

Show us the layers in your system and your domain classes. You can also include individual class diagrams in your stories on GitHub

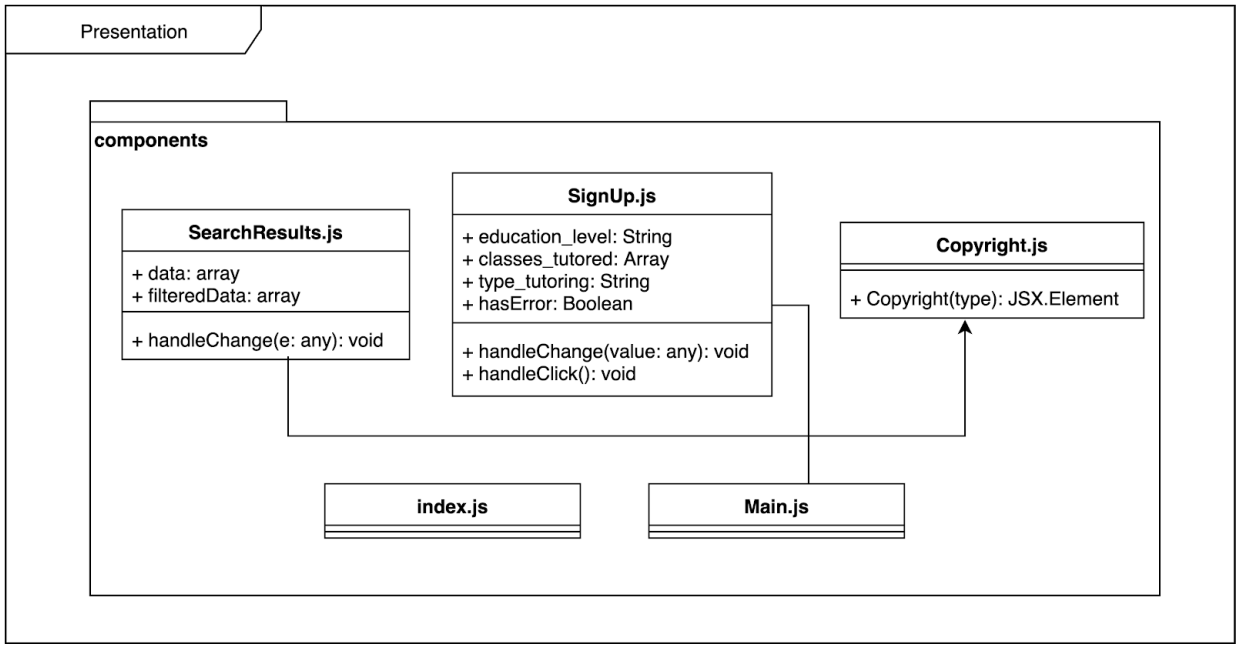
Put in your high level arch diagram (ie the major components)

High-level Architecture Diagram:

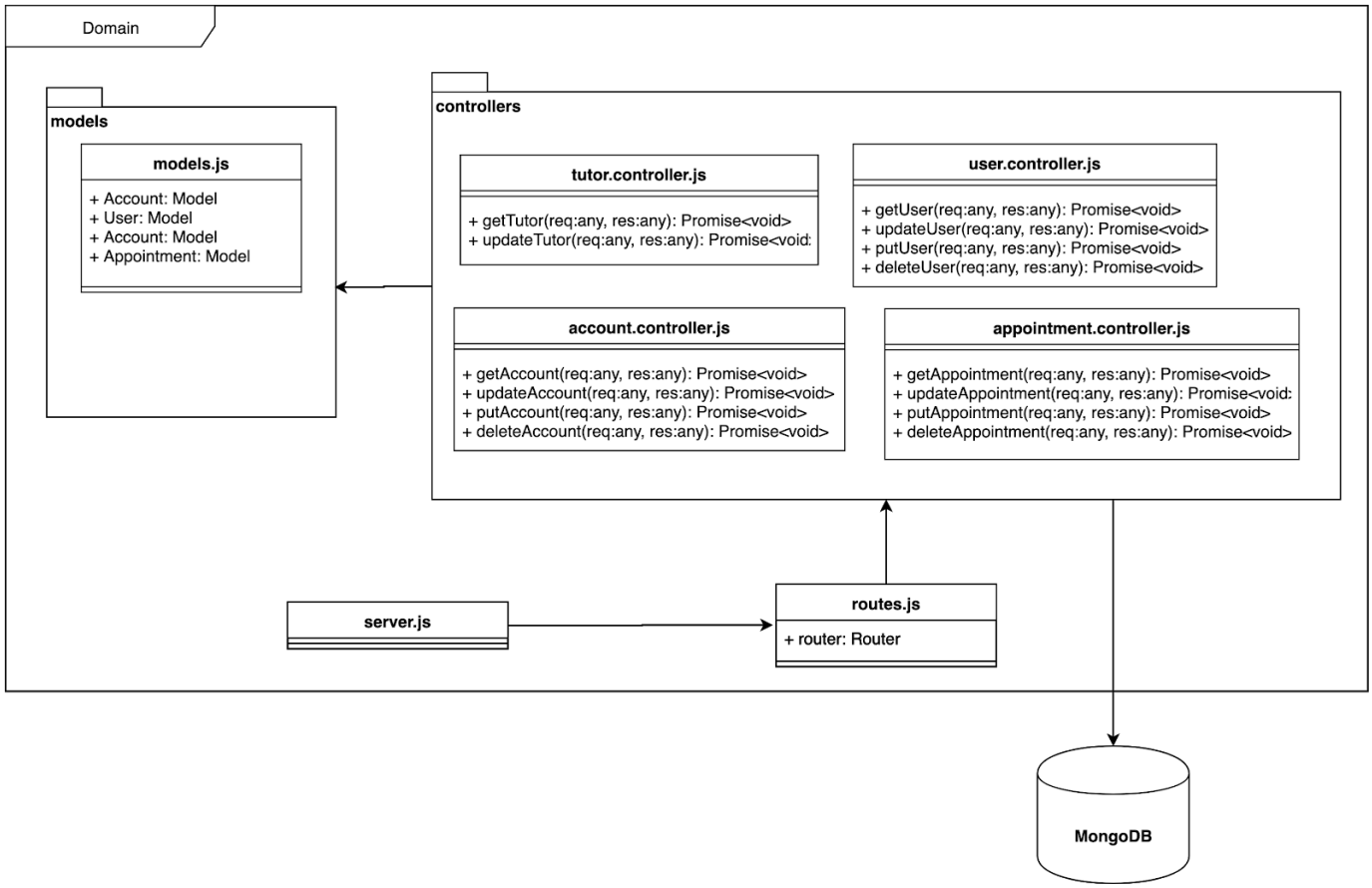


Class Diagram:

Presentation / Frontend Layer:



Domain / Backend Layer:



For all existing arch diagrams, please only describe changes in your arch

Infrastructure

For each library, framework, database, tool, etc

React: the JavaScript library used for building user interfaces.
Node.js: the JavaScript run-time environment that we use for our backend server.
Express.s: a minimalist web framework for Node.js that we use for creating and running our web server with Node.
Mongoose: the MongoDB object modeling tool designed to work in an asynchronous environment.
MongoDB Atlas: for our fully-managed cloud database.
Jasmine: Testing framework for Javascript that we used for testing purposes.

Name Conventions

List your naming conventions or just provide a link to the standard ones used online.

We will use the Google JavaScript Style Guide.

Code

Key files: top **5** most important files (full path). We will also be randomly checking the code quality of files. Please let us know if there are parts of the system that are stubs or are a prototype so we grade these accordingly.

File path with clickable GitHub link	Purpose (1 line description)
https://github.com/compgirl123/TutifySoen490/blob/feature/combining-us1-us2/tutify/src/components/SignUp.js (Note : Please fix this when it is pushed to master)	This file corresponds to the Sign Up Page for students who are wishing to receive tutoring from specialized tutors teaching various school subjects and grade levels.
https://github.com/compgirl123/TutifySoen490/blob/master/tutify/src/components/SearchResults/SearchResults.js	This file corresponds to the search page for tutors. All the tutors are fetched from our database, and the user can search by name in the search bar which will dynamically filter the list of tutors.

Testing and Continuous Integration

Each story needs a tests before it is complete. If some class/methods are missing unit tests, please describe why and how you are checking their quality. Please describe any unusual aspects of your testing approach.

Testing

List the **5** most important test with links below.

Test File path with clickable GitHub link	What is it testing (1 line description)

Continuous Integration

Describe your continuous integration environment. Include a link to your CI.