

Software Engineering Assignment 1 Task 2

HD

Individual 12.5% (HD)

Of a total of 25% for assignment 1.

Summary

HD Task

You must extend your P task to include the HD extension here. As you can see, the task is the same except for the HD part, meaning that the minimum you have to complete is the non-bold part.

Each project requires you to write a very simple prototype to showcase your knowledge of software development.

The specification for each project's prototype will be released in Week 2.

Complete the task on Ontrack by the due date indicated on Ontrack.

1. Provide the git URL of your application in the provided form.
2. The repository name **MUST BE** assignment1-task2 (if your repository has a different name, my bot will not be able to download it and you will fail the assignment) eg `github.com/alexbonti/assignment1-task2` and must be public.
3. Your final submission must be in the master branch, I will not check other branches, if your branch has a different name, my bot will not be able to start it.
4. If you push code into git after the due date, you will have marks deducted as per late submission
5. You don't need to upload anything on Ontrack, just tick it completed once you are ready to submit.

The application has to start by using `npm start` - we will look at this in Practical n3

Form for git url

https://forms.office.com/Pages/ResponsePage.aspx?id=7Hgj0lgW1UaFQBwotfRw9r5RsTRtbJJNtv9171u_wfdURVY2MUdTMIVXM1BMTjFQMzFBnk1JV1ZXUS4u

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You are to create a small web application with the specifications provided here, depending on the project that you were assigned.

Remember that you can only use the technologies allowed in the unit. If you don't remember, please check the Lecture Slides 1.

The application has to work, the quality and well functioning will decide your grade for this Task

Ebay

Create a mini Auction site

The site should display one auction - eg, one item on the screen, with some description

There should be one bidder who can put in his name and the amount to bid for the item.

Once the first bid is done, the auction should last for 2 minutes.

Once the timer is up, the winner should be announced - made visible on the site.

HD - you need to have extra bidders

Tinder

Create your profile

Swipe (or similar action) through an array [5] of other profiles and decide like or not like.

If no likes at all, say "sorry there are no more matches now" (you cannot see the same profile twice)

When you match one profile, show the two profiles side by side.

HD - When a match is found, send an email to the email you provided with some message like "You have found a match, {profilename} will contact you soon!"

Uber

Create a mini-map application using any map technology, Here, Google Maps etc.

Show your position on the screen - you can hardcode an address

Show the position of another of two cars on the screen to represent the drivers - you can hard code the addresses for these

When you click - find me a ride, create a simple timer from the server, to indicate how long it will take for the driver will take to get to you and show it on the app. [the timer is a fake]

HD - insert the destined location with directions, and show it on the screen.

Instagram

Create a simple view where you can see pictures and descriptions, with some comments on them.


Allow the system to let the user be able to create a new post and show it on the screen, this should include a description.

HD - create the system using a DB (I suggest Mongo Atlas)

Spotify

Create a simple web music player with at least 5 songs in it.

The functionality, for now, is Play, Pause and Next Song



Each song playing should show the artist name and some description.

HD - create the functionality to choose a specific song (meaning you will have a list) and shuffle the order.