**Team**

**Team (product) name**

*Literacy Rates Around The World (we can change this!)*

**Name / photo / role for each team member.**

**Introduction [10 marks]**

**Abstract. Motivation for the project, framing of the problem and a high-level overview of the system. Stanni**

**Project Objectives. The high level goals of the project and the contribution towards solving the problem. A checklist against which the team can evaluate their success. Emily**

**Video. Short (1-2min) demo video to explain your system (think Kickstarter) Hamza**

**Background and Motivation [10 marks]**

**Background literature. Academic research review. Emily**

**State of the art survey. Current industry review. Wenda**

**Clear definition of the problem. How does your project relate to the above? We will be marking the ability of your team to identify a worthwhile and important problem and clearly articulate the scope and challenge of the problem. Emily**

**System Implementation [20 marks]:**

**Stack architecture and system design (e.g. class diagrams, sequence diagrams). Stanni?**

**Back End - MongoDB - database implementation, the data model that you developed your back end from (e.g. entity relationship diagrams). Jess**

**Building the database**

* Our initial data was stored in a csv file pulled from an online source
* This data was adjusted to have simpler headings allowing for easier manipulation
* Data model was created to describe schema for this database
* At this point, only one table so not too difficult to implement
* Database was created and linked to the docker-compose
* Created a JavaScript file called db.js that is run in the docker-compose
* This forms a connection to the database, and creates a model of our table
* Our CSV file was transformed into a js object
* This object is exported to db.js and inserted into our data model
* The connection is then disconnected from the database
* “basically i converted the csv file into a json using csvtojson on the command line, then went into the file and turned it into a js object. in db.js I then include it as a variable and use Model.insertMany(variablewithdata)”
* Now the method is understood, it should be easy to re-implement with other csv files

**Issues:**

* Getting the data from the CSV file into the database proved to be challenging and took much longer than expected, due to limitations in conceptual understanding
* Unsure whether need to run create model every time we run the code or only once

**Middle Tier - Express, Node, the RESTful API. Wenda**

**Front End - Angular. Details of implementation. Stanni**

**Additional elements and components e.g. authentication. Tell us about any other aspects not covered above! Stanni**

**Deployment details (including Docker), include how you have been achieving continuous integration and deployment. Jess**

**UX Design [15 marks]**

**Design Process and Early prototyping and ideation (including mood boards and paper prototyping) Jess**

* Design Documentation/idea matrix: grid with serious issues and playful elements
  + All put down whatever ideas came to mind
  + Afterwards each selected 5 favourites
  + Highlighted which ideas were chosen by multiple people
  + For each highlighted idea, all researched to find similar websites to see current work in those areas
* Mashing up ideas – used a generator to put together different elements of design ideas and collectively writing down whatever comes to mind, then creating custom mash ups, then writing first draft of website idea
* Selected favourite ideas, went through each one answering questions, went through pros and cons of each idea (tried to “kill” each one) then collectively decided on literacy rates
* Literacy rates – ideation phase: answering serious of questions about our idea, comparing with other sites, raising potential issues, how we are addressing the game element, added value
* Paper prototypes – everyone created their own, went through pros and cons of each, then put together which elements we liked best from each prototype
* Digital prototypes – created a digital prototype from paper ones, ran a feedback session, evaluated, created a new digital prototype, ran another feedback session, used feedback for influence on website design

**Identification of interacting users and broader stakeholders. Jess**

* Literacy rates – ideation phase: looking at who our target user could be, pros and cons of different groups, what the purpose of the site would be for various users
* Stakeholder analysis grid
* Stakeholder analysis document

**UX approach – design heuristics/approach, design methods (design fiction / heuristics) Hamza**

**Understanding of user group (questionnaires / user stories / interviews) Jess**

* Questionnaire circulated on social media
* Interview with Ellie
* User stories?

**Wireframes and interaction flow diagrams for final key subsystems. Hamza**

**Sprints & Project Management [15 marks]**

**Group working methods used (for instance did your team choose a particular style of agile? what communication channels did you use?) Hamza**

**Discussion of team roles (specialisation is ok!). A summary of individual contributions (note: this is for reference, your team will all receive the same grade!). Hamza**

**Documentation of your sprints, including both high level overview, timeline, and selected highlights that were critical points in the project (remember to show the users stories implemented in each sprint). We expect a summary of meeting logs (including for instance apologies for absence etc) Hamza**

**Team use of Git, how your team used continuous integration / continuous deployment. Streamlining of workflow throughout. Jess**

* Created one public repository
* Main branch: only final code goes on here
* Dev branch: this is what individual team members branch off of and merge to
* Emily to inspect code on here before merging with main
* Other branches:
  + Globe element – this is where the front end work for the globe design takes place
  + Database – this is where the database was developed
  + API\_Jess – this is where Jess carried out work on linking the database with the API
  + Design
  + Experimental
* Work flow: each team member works on their own branch, pushing that branch to the repo at the end of each day. When that particular element is completed, the team communicates about it and selects one person to merge it with dev, resolving any conflicts

**Evaluation [15 marks]**

**Details of how you evaluated your designs (techniques used & awareness of their limitations). Description of techniques suitable for your particular design. A timeline of evaluation of your design. Wenda**

**Unit testing / Functional testing. Stanni**

**User acceptance testing. Evaluation of your design with users – methods undertaken, findings, implications. Stanni**

**Conclusion [10 marks]**

**Reflect on the working practices of your group, how well they did or did not work, e.g, management of issues, communication, Agile (etc). Stanni**

**Reflective discussion of the success of the project. How well did your project fulfil the brief? Were all of your own objectives met. Stanni**

**This is a chance to reflect on how coronavirus has affected your project (remote working practices etc) Emily**

**Discussion of Social and Ethical implications of your work. Jess**

**Discussion of future work (in terms of design, development and evaluation) Emily**

**Presentation [5 marks]**

**There is a 5% mark for presentation, including formatting. We are looking for consistency, readability, conciseness, good use of figures and with the ultimate aim of this being a readable and useful public repo! Hamza (TBC)**

**GANTT Chart Emily**