

BOOTCAMPERS ISSUES:

Consolidation

Feedback not regular enough

Hard to overcome hackathon + recap barriers

BOOTCAMPERS STRENGTHS:

Pair programming

Range and scope of curriculum

BOOTCAMPER SOLUTIONS:

Self-learning quiz

“Anki” style:

User’s inputs questions and answers scaled at different levels to help consolidate learning

SoC quiz questions pooled and accessible for self learning: this could be by topic or randomised

SOLUTION CRITIQUE:

Self limiting

EXISTING RESOURCES:

Daily Quiz - potential problem that it is too soon after initial lesson - source?

Code wars

BOUTCAMPER LEARNING APP:

A way to challenge the “forgetting curve”

PROBLEM:

Research shows testing for retention should take place after 48 hours from learning.

Earlier testing windows are not good indicators for long term learning outcomes

“ANKI” space repetition app:

spacing out learning materials over a long term period to help consolidate learning.

SOLUTION:

School of code daily quizzes are pooled into a database, and are accessible by bootcampers at future date to aid knowledge retention.

Data could be accessible via:

Week / day of lesson

Topic

Language

Random selection

APP STRUCTURE + FEATURES:

Question Data stored in external database. e.g. Heroku.

Could be accessible via:

- Week / day of lesson
- Topic
- Language
- Random selection.

User can add own questions and answers to supplement School questions.

Using React to display user specified questions in DOM

How many questions displayed at a time?

- Multiple choice? or Input
- Answer reveal feature available
- Link to relevant video for test topic.
- Test results are stored and collated. This information could be presented in different formats to track progress.

User Research and findings.

We decided to speak to fellow bootcampers about their feelings on quizzes and how effective they found it.

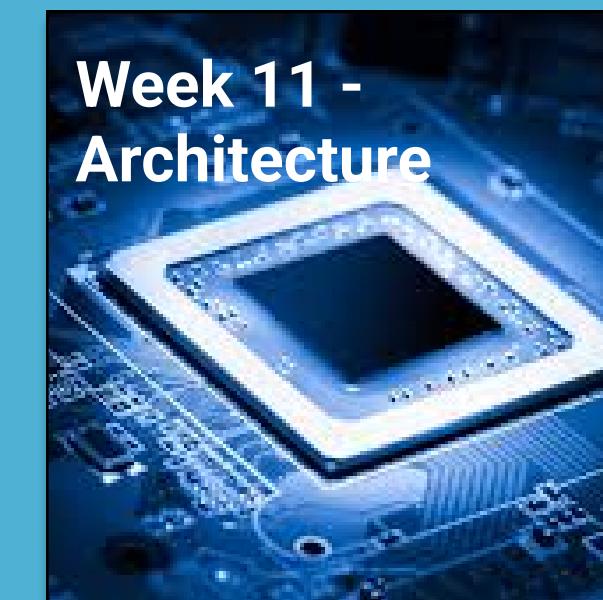
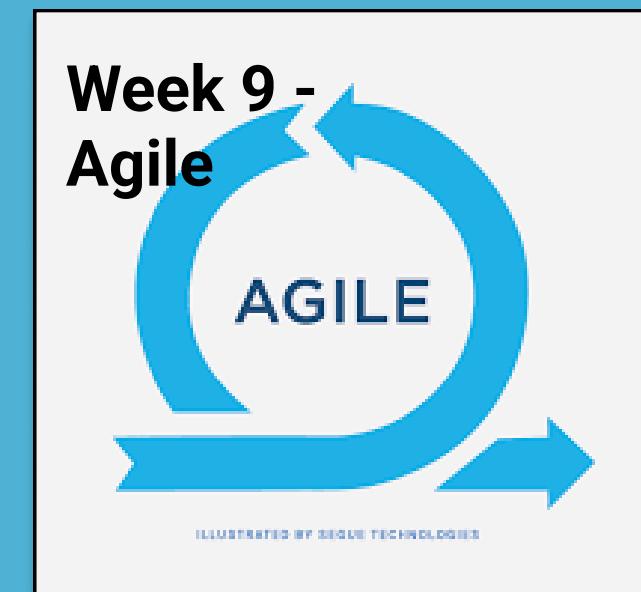
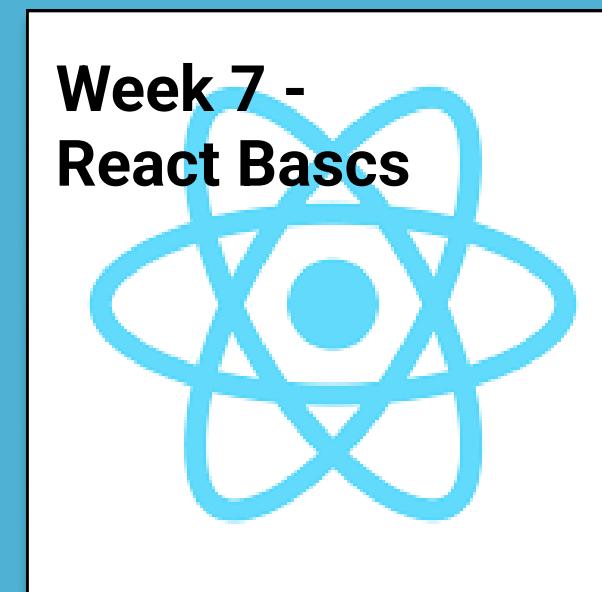
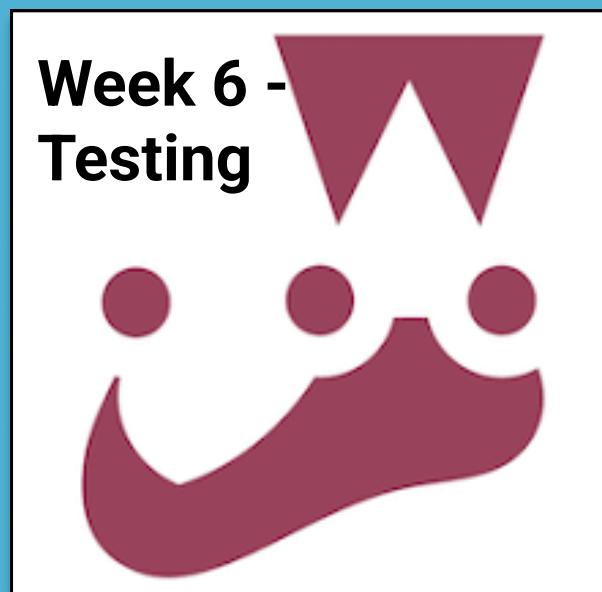
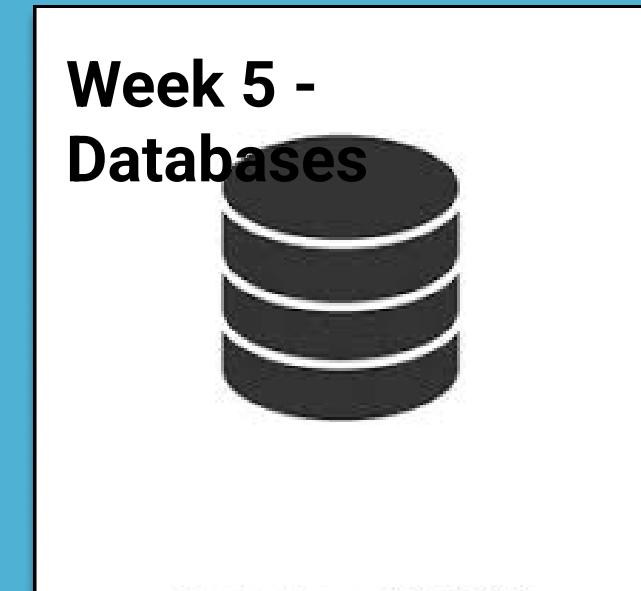
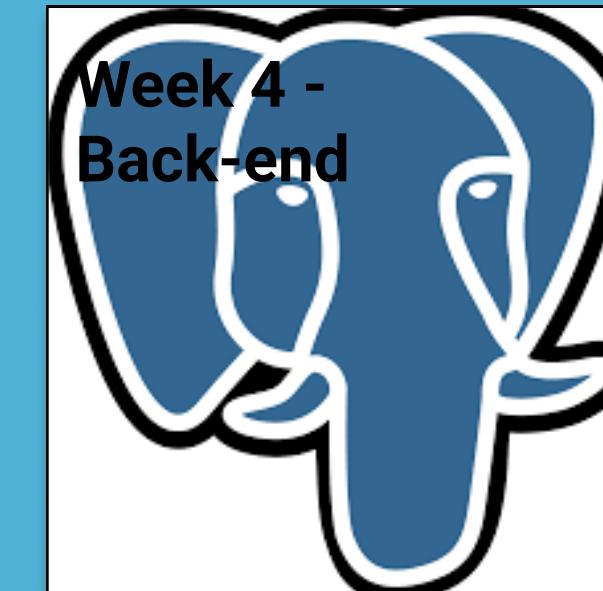
Questions

1. What do you think to the daily quiz questions
2. How do you feel about access to the quiz at a later date?
3. What resources from School of code is most useful to you
4. How many questions is the right amount for you.
5. Do you prefer one question at a time or scrolling through the list.
6. Do you find information retention a struggle.

General findings.

- All 20 people have stated that retention of information is a struggle.
- People are happy with the quiz however some people find the questions not engaging or not challenging enough.
- Everyone would find the quiz good to do at a later date which shows people would want to keep tapping into their knowledge retention more.
- out of 20 people 19 people find it easier to have no more than 10. 1 person would want between 10 to 15.
- People have a mix response to scrolling or one question at a time and a small amount of people have no preference.
- Most people find the recap video recordings useful however find it too long and most people do like the recap task as it gives the ability to practise solving projects.

School of quizzes



TEST TOPIC: Week / day / Topic

Generate questions



skills tested: #JS #CSS #REACT

QUESTION: Sed ut perspiciatis unde omnis iste natus error sit voluptatem incidunt?

- A. Voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed
- B. Architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam commodi consequatur.
- C. Totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi non illa pariatur.



Link to relevant video



Resources

Test results are stored and collated. This information could be presented in different formats to track progress.

TEST TOPIC: Week / day / Topic

Generate questions



skills tested: #JS #CSS #REACT

QUESTION: Sed ut perspiciatis unde omnis iste natus error sit voluptatem incidunt?

- A. Voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed
- B. Architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam commodi consequatur.
- C. Totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi non illa pariatur.



Link to relevant video



Resources

Test results are stored and collated. This information could be presented in different formats to track progress.