

## Peer Questions

1. What are the cost restraints?

- No costs restraints were specified by the client.

2. Are there any expectations for redundancy if the web server fails?

- Currently the client is planning on handling those redundancies once they receive the software from us, and is outside the scope of our work.

3. Is there any specific software you will use for unit or integration testing?

- We currently plan on using PHPUnit, but we may change that or add additional testing methods as the project develops.

4. Why did you have the option for admins to create and delete regions? Shouldn't regions not change at all?

- As Glohaven works with more and more clients, it will likely become necessary to add more regions. For example, at the moment the service will be intended for first responders in British Columbia, but eventually Glohaven may start working with organizations in Ontario or Texas, who would be needing their own accommodation listings.

5. What testing frameworks are you guys going to use?

- We will be using a modular framework that will have tests focused on individual features working first, then expanding the testing scope into how features work in conjunction.

6. Would there potentially be options to backup data? Does it seem reasonable in this context?

- Backing up data is a very reasonable thing to consider, and is something we will be bringing up with the client, but for the moment is outside the scope of our project.

7. Other groups mentioned the public as a user group - is the public not supposed to have access to the app?

- The public will not have access to this app. The only people using it will be the emergency services like the RCMP and firefighters.

8. Good prioritizing on your milestones - but Milestone 3 feels like “more of the same”

looking at 2, and both of them are very vague. What specific features do you intend to add in each milestone?

- Specific features were not mentioned as they were talked about later in the presentation, but each milestone had two separate goals defined.

Second Milestone: Create the front end.

Third Milestone: Integrate Database

9. What will emergency services actually be doing?

- The emergency services will be using GEMS to create a request to book accommodations to evacuate people.

10. Why use tags to identify people?

- Tags can help identify people by things such as wheel chair access, disabilities, pets and such. It would make the list of occupants much smaller. The tags will be used to make list smaller, their also will be a search feature that we can use to also help find specified people.

11. Do the glohaven devs count as a user group?

- The devs themselves do not want any account for them, they would rather just have an account for employees, and create their own accounts when it comes to that time.

12. Who can make a request? Is there any security or can anyone make a request?

- Users will be expected to enter some form of identification that can be used to verify that they work for an emergency service, and steps can be taken for the system to automatically filter out bad data, but as we are not using an account based system for users there is little we can do to prevent random people from submitting requests. We are planning on bringing this up with the client, as user accounts would drastically improve security capabilities.

13. What does “filling the database with info“ mean? How are you going to ensure your front end is working and operational without the backend infrastructure to support test data and the specifications of the data?

- We will also be creating backend infrastructure as we create the front end. When testing database connections we will have said database.

14. What is meant by “tests will be run periodically”? Specifically, how often will tests be run?

- We are planning on running all tests weekly at the very least once we have features that require testing set up.

15. For unit testing and regression testing, what are the rules? Would the function have to pass all unit tests or some percent?

- The function must be able to pass all unit tests. If any tests are not passing, the function will not be considered completed, and will be reworked until everything passes.

16. What is the budget? What would be the server uptime for that budget?

- We were not given any budget details, We were only given specifications on what to use. The database will be their own pre-existing one, which they will integrate themselves when they receive the program.

17. As Administrators have a different requirement set will they have a separate deployment that cannot be accessed by regular users?

- Yes and no, they will have the somewhat the same deployment as others, with restrictions removed so they can do more things.

18. You didn't mention security of user information during non-functional requirements. Will you implement that in your project?

- We are currently looking into options to ensure that Admin accounts are secure to prevent unauthorized access to the database.

19. Which testing tools/frameworks will you use for unit testing?

- We will be using PHPUnit primarily for our testing, and our framework will be a modular one, where we will be testing features independently first, then moving on to how they work in conjunction with other features.

20. Are there any additional security concerns people working at EMS might have? (governmental workers might be concerned about privacy as they interact with a lot of sensitive info) If yes, how do you plan to address them?

- As it stands, we will be collecting only the information absolutely required of first responders to be able to verify who they are and make a booking, such as

employee name and number, and the number of people needing a place to stay.

More confidential information about the evacuees or responders will not be taken in or stored anywhere in the system.

21. How do you plan on testing integration?

- Testing integrations can be done by sending dummy variables through any APIs used and checking what is sent back to us against what is expected using PHPUnit.

22. How will you test features that cannot be automated with unit tests?

- Should this become an issue, we will consider additional testing frameworks that would allow us to automate tests, and if it simply can't be automated we will utilize manual testing strategies.

23. Is periodic testing enough to ensure your code is working? Have you considered automated testing?

- We will consider looking into Github's automated testing system to run everything automatically, though the only manual portion of testing that we currently expect will essentially be a single button press in our code editor every week.

24. Why are you using PHP?

- It is required by the Client, as we said in the presentation.

25. How will you ensure that your system works with existing services?

- Our system will be a standalone service, and as such will only be expected to integrate with the client's database. No other preexisting services should be interacting with our system.

26. Are there any plans to implement regression testing? Or will you just use unit tests the entire way and run them all individually?

- Currently we are only expecting to need unit tests, though regression testing will be considered if more robust testing methods are needed.

27. Is there any vetting of accommodation listings?

- Admins will be expected to vet the accommodations before uploading them to the database.

28. Your milestones were well-outlined, but it didn't seem to mention anything about testing.

When do you plan to test your code?

- We will be testing our code weekly once we have features that require testing.

29. Since the app will collect and store large amounts of data, some of which is personal data, what are the measures you will be taking to ensure that it is secured?

- We are looking into our options for keeping the database secure, and will collect minimal personal data.

30. It is crucial that the personnel are able to access information quickly and accurately during emergencies. Does the design/layout you've envisioned allow for them to do so?

- Keeping the site's layout simple is one of our top priorities so that emergency workers aren't bogged down trying to figure out how to navigate the site, and we will continue to improve the UI where possible to make things even easier.

31. What if someone doesn't have one of the supported browsers? Will they be able to run your product?

- The site will be designed to run on as many desktop browsers as possible; those listed in the presentation were merely examples.

32. How do the tags work and how does it help users find accommodations?

- During an emergency, many accommodations will be made, and each will have different requirements, such as whether pets are allowed or not allowed. Tags will be used to narrow the accommodations down so EMS can help find the right and safe spot for each evacuee.

33. How will regions be organized/designated? What constitutes a region?

- Regions will be sorted by governmental local regions. This way they are created and will have the land area and size, while also having pre-existing emergency responses created for those regions.

34. How will complaints be handled?

- Complaints will be directed to the RA agents or Glohaven's customer support through phone calls.

35. Will there be any optimizations?

- Too vague of a question, there isn't much to optimize as of yet.

36. Why are you using the tech stack that you have chosen?

- Most of the items in the tech stack are items that have been specified by the client, while services such as Composer have been chosen as they are what integrates best with the specified elements.

37. How will you be conducting the testing? You said you will do testing but not how? Will you use build in frameworks?

- We will be using PHPUnit primarily for our testing, and our framework will be a modular one, where we will be testing features independently first, then moving on to how they work in conjunction with other features.

38. Is the general public accessing this service?

- No, this service is meant for use by emergency services.

39. How will you manage bookings for multiple people who want to book together? What if one person cancels, but the other(s) don't? Will the accommodation change according to the number of people?

- Emergency personnel can book accommodation for multiple people at once using our system, but the logistics of keeping friends and family together will fall to said emergency service personnel. As well, Admins can change booking details after the fact, but it will fall to emergency service personnel to keep them informed.

40. Will user accounts be required, or would it be more beneficial to have no login required to book rooms?

- User accounts will not be required, as the client doesn't want first responders to need to memorize any login information, and can use credentials that they should already know, such as an employee or badge number at the time of booking to verify their identity.

41. Any optional features that your group has thought of in case you finish your milestone requirements early?

- We are considering having a way to upload accommodations using a CSV or Excel file to potentially speed up the process for admins.

42. You mentioned that Admins have the ability to make all accommodation regions. Will there

be any default regions or will the admin start from scratch? If it's the latter, won't that be tedious to create so many regions?

- Regions will be stored in the database and have accommodations added as Glohaven gets into contact with building owners before a disaster, so admins will not be expected to recreate regions every time there is a crisis. Additionally, admins will be localized to regions, so they will not be concerned with setting up more than a couple regions at any given time.

43. You mentioned that the app was designed for desktop, however, is a mobile version possible?

- We will be considering making a mobile version, though the intended usage scenario of the site is primarily in adminitorial situations where first responders will at the very least have a work laptop, if not already back at their offices.

44. How will the website be secure if you are hosting it locally?

- The client will be able to handle the security of their web server, while we are currently looking into security options for our database connections and admin accounts so that we don't create any weak points in their system.

45. Do you have a program for unit testing?

- We will be using PHPUnit.

46. A frequency for testing like "periodically" seems very loose. Do you have any specific testing schedule planned?

- We will be testing at the very least every week, as well as when major features are implemented.