User stories necessary based on project description:

1. As a business administrator, I can register an account. (Sprint 1)
2. As a business administrator, I can register an account for my business. (Sprint 2)
3. As a business administrator, I can modify my account. (Sprint 1)
4. As a business administrator, I can modify my business. (Sprint 2)
5. As a business administrator, I can view the users registered to my business. (Sprint 3)
6. As a business administrator, I can assign an employee the role of project manager. (Sprint 3)
7. As a business administrator, I can remove an employee from my business. (Sprint 3)
8. As a business administrator, I can view the projects for my business. (Sprint 3)
9. As a project manager, I can create a new project. (Sprint 2)
10. As a project manager, I can assign a contractor to a specific project. (Sprint 3)
11. As a project manager, I can remove a contractor from a project. (Sprint 3)
12. As a project manager, I can assign contractors a pay rate. (Sprint 3)
13. As a project manager, I can edit a contractor’s pay rate. (Sprint 3)
14. As a project manager, I can generate an invoice for individual projects. (Sprint 5)
    1. contractors working on one project may have different hourly rates
15. As a project manager, I can generate an invoice for individual contractors. (Sprint 5)
    1. One contractor may receive different pay rates for different projects.
16. As a project manager, I can approve my contractors’ hours. (Sprint 4)
17. As a project manager, I can approve my contractors’ expense reports. (Sprint 4)
18. As a project manager, I should be able to click a button to remind a contractor to submit their time. (Sprint 5)
    1. ONLY ONCE per week.
19. As a contractor, I can enter the time I spent working on a specific project in a week view. (Sprint 4)
    1. Contractor > Project > sub project categories (e.g. Design, Implementation) (maybe make customizable??)
20. As a contractor, I can submit my time for approval on a weekly basis (Sprint 4)
21. As a contractor, I can enter my project expenses into a form. (Sprint 4)
22. As a contractor, I can submit my project expenses for approval. (Sprint 4)
23. As a contractor, I can register a personal account. (Sprint 1)
24. As a contractor, I can edit my personal information. (Sprint 1)
25. As a contractor, I should be able to view my past hours/expenses. (Sprint 6)
26. As a BA, I should be able to view past invoices. (Sprint 6)
27. As a contractor, I should be able to see my hours/expenses from projects I am no longer a part of. (Sprint 5)
28. As a contractor, I can connect my account to my employer’s business. (Sprint 1)
29. As any user, I should have a secured login that locks my account after too many failed attempts to log in. (Sprint 1)
30. As any user, I should be able to change my password after getting locked out of my account. (Sprint 1)

Business Rules:

Entities: Contractor, Project manager, project, pay rate(attribute of contractor), business admin, business, expense, timesheet, timesheet\_item

A contractor may work on one project. (at a time)

A project may be worked on by many contractors.

A contractor may be paid one pay rate. (per project, they do one project at a time)

A pay rate may be paid to many contractors.

A contractor may have many expenses.

An expense may belong to one contractor.

A contractor may work for one project manager.

A project manager may employee many contractors.

A contractor may enter multiple timesheets. (one week)

A timesheet belongs to one employee.

A project manager may manage many projects.

A project may be managed by one project manager.

Business Admin can own one business

One Business can have one Admin

Project Vision/Definition:

Project Plan:

* Sprint 0:
  + Database ERD
  + Rough UI
* Sprint 1
  + User Account registration
    - Anthony
  + Profile updating
  + locking/unlocking user accounts
    - Nunj
  + Email verification
    - Nunj
    - Anthony
* Sprint 2
* Sprint 3
* Sprint 4
* Sprint 5

Tool chain, language, Config. Management, server setup, development environment:

Tool chain: Git, Github, Atom, Pie Server, BootStrap css,

Languages and Frameworks:

Front End: html css/scss

Back End: angularjs FOR NOW

Database: MySQL

Server: raspberry pi 3

Database Tables: