Project Background:

The Academy of Motion Picture Arts and Sciences (AMPAS) has decided to open the process of voting for academy awards to the world. Any individual from any country can vote on a movie to be nominated in almost any category. Once the nominated movies are chosen, anyone can vote on who should win the award. The qualifications for a person being able to vote will be for them to view a set number of previous Oscar winning movies.

Product Wants:

AMPAS wants you to build an application that will allow users to search any previously nominated and/or winning Oscar movies by category of award. They want to make it easy for people to view those movies. So, in the search results, there should be a link to the movie's website page at some provider of movie viewing choices such as IMDB, Hulu etc. They'd like for people to be able to view what critics and others said about the movie at the time of its release - from sources like movie review sites or IMDB rankings. They also want to expose the functionality as an API so that they can sell access to other developers who can build from the product and create new interfaces.

A failed version of this project was attempted several years back and an AMPAS insider has managed to exhume a few snippets of the SRS draft from that attempt. You may use this artifact to provide greater insight into the project, if needed.

Deliverable 1:

This project is being bid on by several competitors so you must provide AMPAS with the following documents to pitch your version before development begins.

1. A product vision statement.
2. At least one persona that embodies the target audience(s)/user(s) for the product you're building.

Product Vision Statement Template:

For: Target Customer

Who: Statement of need opportunity

The: Product name is a product category

That: key benefit, feature, use

Unlike: primary competitive alternative

Our product: statement of primary differentiation

Example:

For	people
Who	want an easy way to buy grocery items
The Bee Shopping Mall	is a web-based grocery mall
That	allows consumers to buy items from the web
Unlike	existing solutions that require consume to buy from physical stores
Our product	will provide a totally web-based shopping experience

(from Visual Paradigm.com)

Persona:

Please see the Contextual Inquiry, Task Analysis and Persona slides from the lecture on HCI for the questions to ask in order to help create your persona. You may interview family and acquaintances to get ideas for different personas. The persona does not need to be as extensive as the samples we saw in class, however **it should answer at least 5 of the questions posed in the slides** (task and persona questions).

Project Grading:

It is conceivable that challenges will occur which may affect the breadth/depth of your final product. Please always keep in mind that I am more concerned about your process than I am about the final product.

Minimum Project Deliverables:

1. Product
    a. Must provide a REST endpoint that delivers a collection resource in JSON.
    b. Must provide a REST endpoint that delivers a singleton resource in JSON.
    c. Must provide a REST endpoint that allows search of 1 Oscar category and returns results containing the nominees in JSON.
    d. Must provide a minimum level of documentation regarding access, input and output to your endpoints.
2. Process
    a. Must have a product vision
    b. Must have one persona
    c. Must store source code in a repository such as Github.com or Gitlab.ecs.csus.edu
        i. Instructor must receive invite to/location of repository.
    d. Must use Flyingdonut to track and adhere to Scrum process.
        i. Instructor must receive invite to/location of project.
    e. Must implement one user story per sprint.
    f. Must incorporate unit testing for a minimum of 2 classes.
3. Presentation
    a. Presentation details will be discussed toward the end of the semester however all team members must participate in the oral project presentation.
        i. Slides
        ii. Discuss project vision and personas.
        iii. Discuss Scrum process followed, and obstacles encountered.
        iv. Demo a working product.

Non-Minimum Project Deliverables:

1. Product
    a. The results returned contain data which correlates the Oscar category results with additional data from an outside source such as OMDB, TMDB, TVDB etc.
    b. The search feature allows limiting results a to date range.
    c. Multiple categories can be searched.
    d. More than one endpoint that delivers a collection resource.
    e. More than one endpoint that delivers a singleton resource.
    f. Graphical user interface (GUI) for the product (or portions thereof).

   g. Well-designed HTML page documenting product features, endpoints and example inputs/outputs.
2. Process
   a. Incorporate test-driven development practice for 1 Sprint
      i. As evidenced by timestamps on check in for test code vs. check in for implementation code.
   b. Refactor code in a significant manner with a clear and stated goal for refactoring.
      i. As evidenced by an implemented story from the Product Backlog.
   c. Incorporate Contextual Inquiry techniques to create visual persona(s) and develop additional personas.
      i. As evidenced by notes taken from the inquiries and creation of additional persona(s) beyond the minimum – shown during the presentation.
   d. Create mockups for a proposed GUI (even if not implemented).
   e. Incorporate pair programming during 1 Sprint.
      i. As evidenced by recorded in-person or Use Together session linked to the user story in Flyingdonut.
   f. Incorporate one or more design patterns.
      i. Indicate in user story which design pattern for which class(es) and provide comments in code.
   g. Adopt a coding standard and follow it
      i. As evidence by its inclusion in the repository
   h. Use a database to store and retrieve Oscar data using queries.
      i. Note: It is not expected that you will use this option, since no-one has taken CSC134 and the architecture required to implement this is more complex. However, this option is meant to provide credit to any team whose members have experience with and would like to utilize a database.

There may be other opportunities, beyond those outlined above, to raise your project above the minimum C grade evaluation level. If you have any ideas, feel free to let me know before enacting them so that you don't waste your efforts.

Optional Persona Resources:

If you would like to create a visual persona (non-minimum deliverable), here are a few resources.

Description of personas: https://www.contentharmony.com/blog/bootstrapped-customer-persona-validation/

Paper Template: http://www.contentharmony.com/files/2016/07/B2BPersonaTemplate.docx

Online Template: Xtensio
(requires account creation): Sharing your persona via the website is FREE (it only costs $$ if you want download and print your persona) To turn in your online persona, provide a link to it in your Canvas document. Sample Online Persona

Example: Getting link for the Xtensio Persona to include in your document