1. Marauders’ Database
   1. About the Application
      1. Our application is designed to provide possibly useful information to users who know how to access it, and to confuse, bewilder, or otherwise confound all other users.
   2. API Design:
      1. **F1: Retrieve a current Hogwarts Student’s Location**
      2. **Method:** GET
      3. **URI:** /Marauders/v1/student?passphrase=<passphrase>&name=”George Weasley”
      4. **Request Body:** <none>
      5. **Response Body:**  
         {  
            “payload”: {“name”: “George Weasley”,    “house”: “Gryffindor”, “location”:”The Kitchens”}
      6. }
      7. **Development Status:** DONE
      9. **F2: Retrieve a current Hogwarts Student’s Location Without Passphrase**
      10. **Method:** GET
      11. **URI:** /Marauders/v1/student?passphrase=<no/wrong passphrase>&name=”George Weasley”
      12. **Request Body:** <none>
      13. **Response Body:**  
          {  
          “code”: 394,  
             “message”: “Mr Raven presents his compliments to Donald Trump and begs him to keep his abnormally large weasel toupee out of other people's business.
      14. Ms Batty agrees with Mr Raven and would like to add that Donald Trump is an ugly git.”
      15. }
      16. **Development Status:** DONE
      18. **F3: Retrieve a list of nearby Hogwarts Students**
      19. **Method:** GET
      20. **URI:** /Marauders/v1/student?passphrase=<passphrase>
      21. **Request Body:** <none>
      22. **Response Body:**  
          {  
            “payload”: [{ “name”: “George Weasley”,    “house”: “Gryffindor”, “location”:”The Kitchens”},  
          { “name”: “Fred Weasley”,    “house”: “Gryffindor Ghosts”, “location”:”The Kitchens”}]
      23. }
      24. **Development Status:** DONE
      26. **F4: Retrieve a list of nearby Hogwarts Students with the wrong passphrase**
      27. **Method:** GET
      28. **URI:** /Marauders/v1/student?passphrase=<no/wrong passphrase>
      29. **Request Body:** <none>
      30. **Response Body:**  
          {  
          “code”: 394,  
             “message”: “Mr Raven would like to register his astonishment that an idiot like that ever became a Presidential Candidate.
      31. Ms Batty bids Donald Trump good day, and advises him to wash his weagle, the slime-ball."}
      32. **Development Status:** DONE
      34. **F5: Add a new Hogwarts Student**
      35. **Method:** PUT  
          **URI:** /Marauders/v1/student
      36. **Request Body:** {“passphrase”:”<passphrase>“, “name”: “James Sirius Potter”,    “house”: “Gryffindor”, “location”:”The Great Hall”}
      37. **Response Body:**  
          <none>
      38. **Development Status:** DONE
      40. **F6: Update a Hogwarts Student Location**
      41. **Method:** POST  
          **URI:** /Marauders/v1/student
      42. **Request Body:** {“passphrase”:”<passphrase>“, name”: “James Sirius Potter”, “location”:”The Great Hall”}
      43. **Response Body:**  
          {  
           “payload”: {“name”: “James Sirius Potter”,    “house”: “Gryffindor”, “location”:”The Great Hall”}}
      44. **Development Status:** DONE
      46. **F6: Delete a Hogwarts Student**
      47. **Method:** DELETE  
          **URI:** /Marauders/v1/student
      48. **Request Body:** {“passphrase”:”<passphrase>“, name”: “James Sirius Potter”}
      49. **Response Body:**  
          <none>
      50. **Development Status:** DONE