PeerPrep

CS3219 Assignment 5

| Group	G04	
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Assignment 5 Repo & Readme	https://github.com/CS3219-AY2324S1/ay2324s1-course-assessment-g04/blob/master/assignment_5/assignment_5.md	

Scenario: Timeout
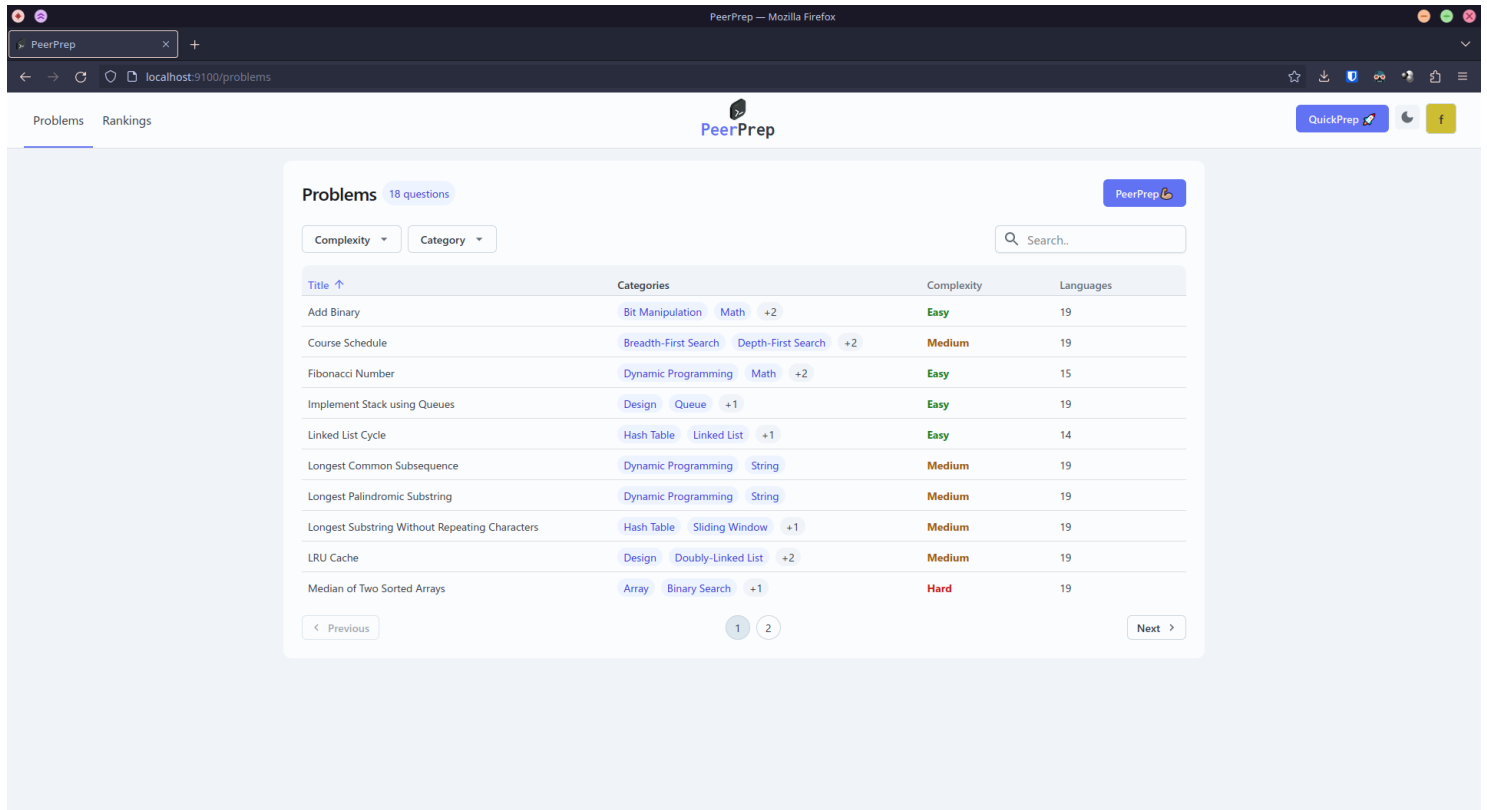
Caption: PeerPrep matching button on the Problems page
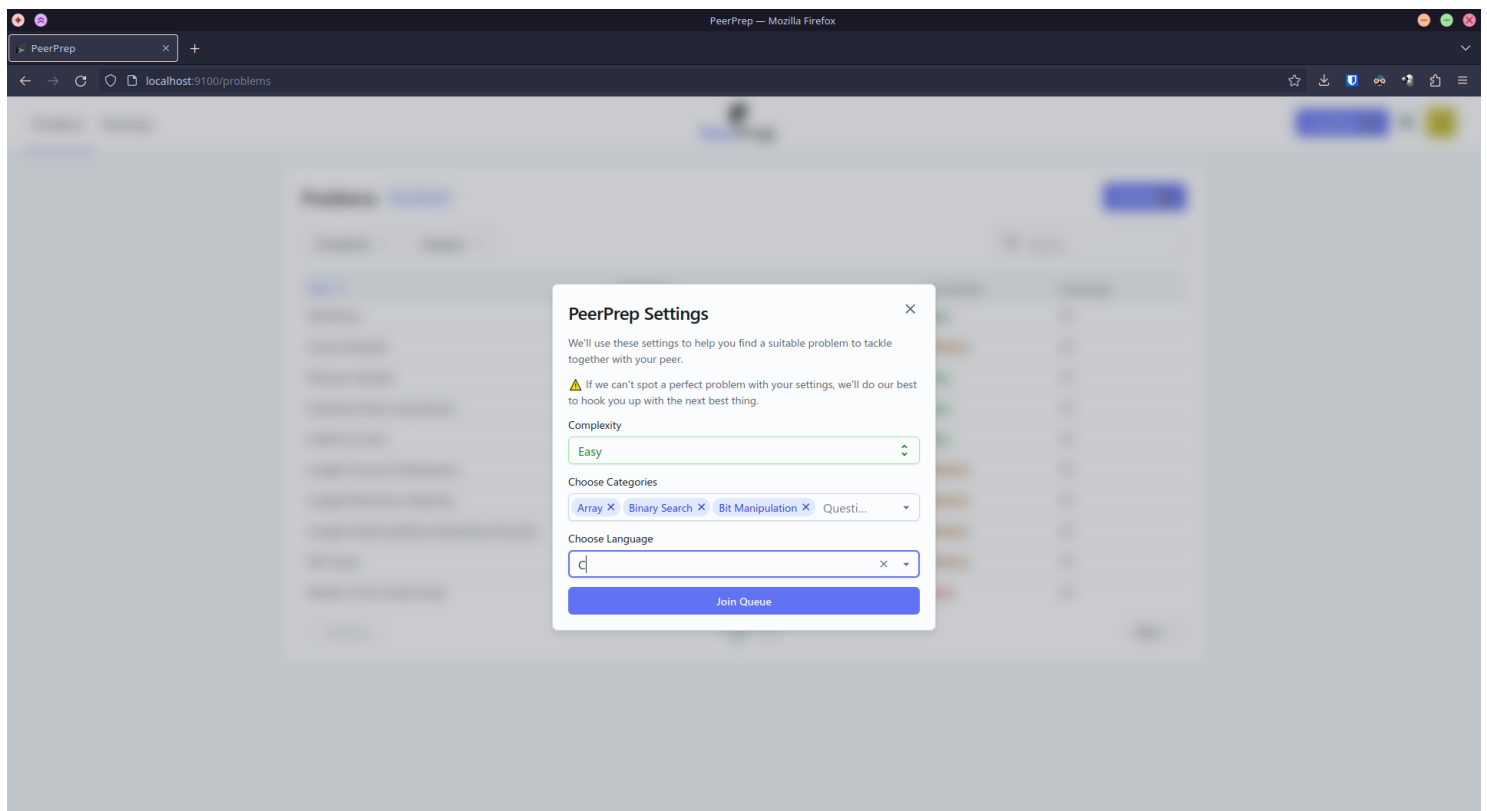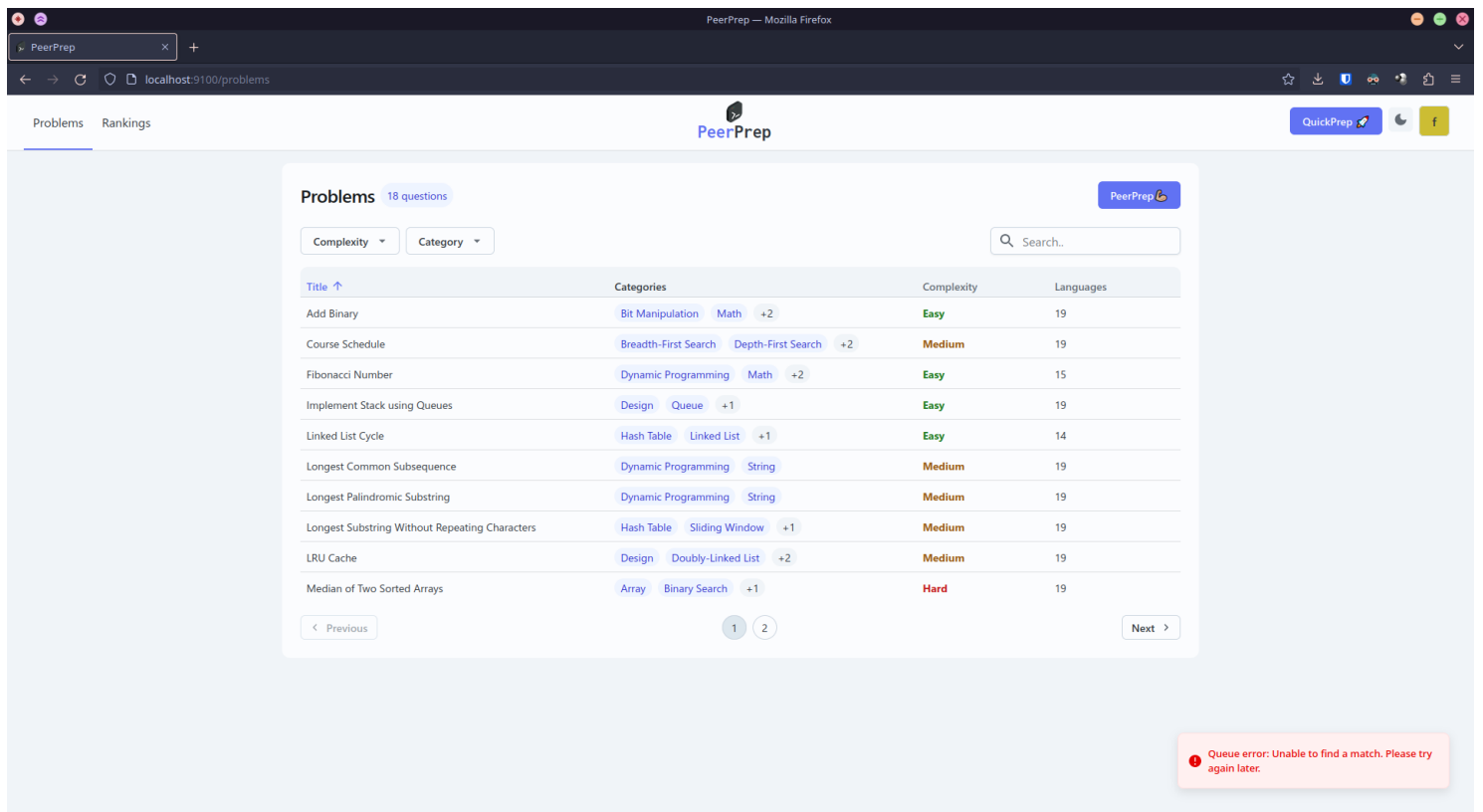

Caption: User is given options to select the complexity of the question, categories of the question, and the programming language.
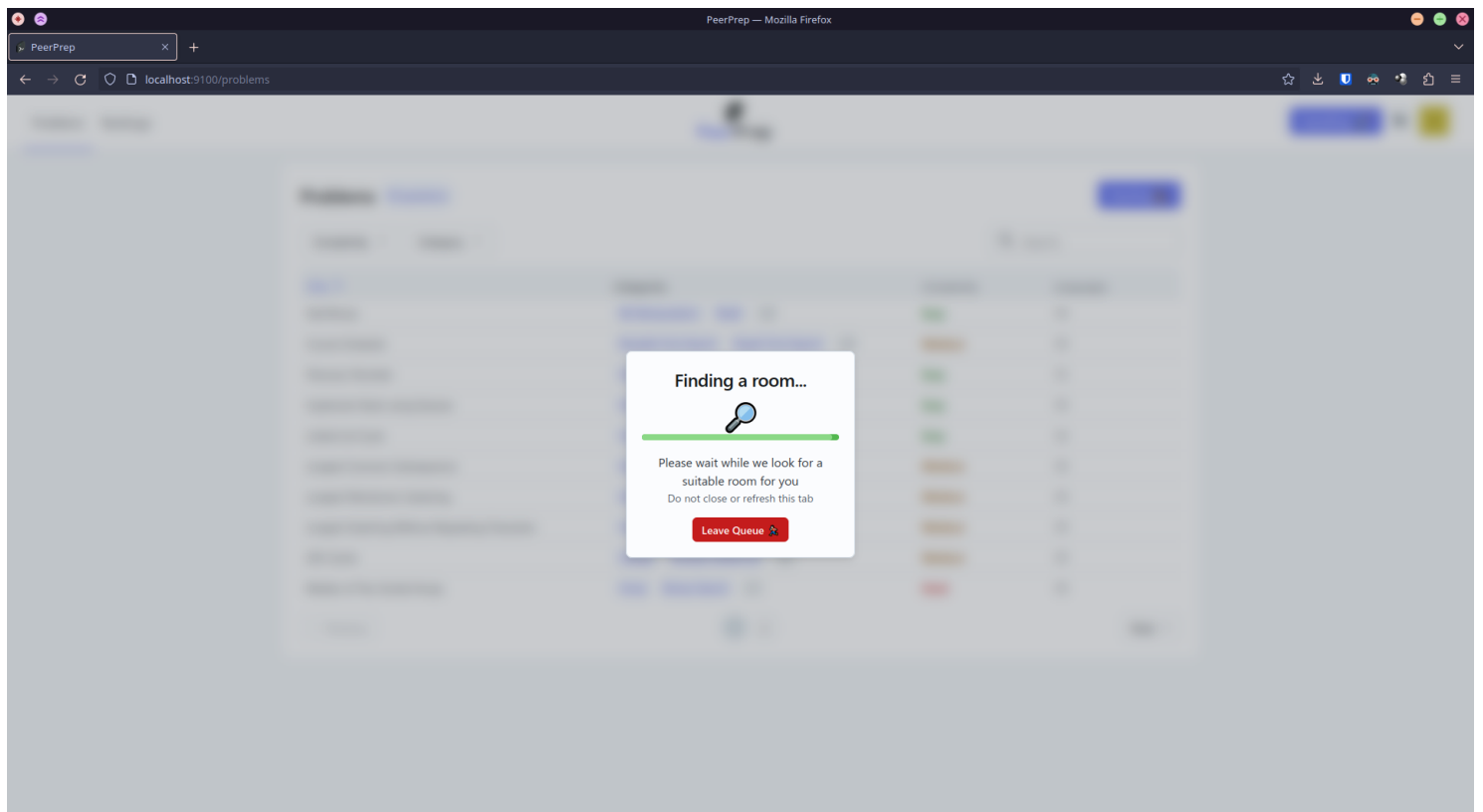
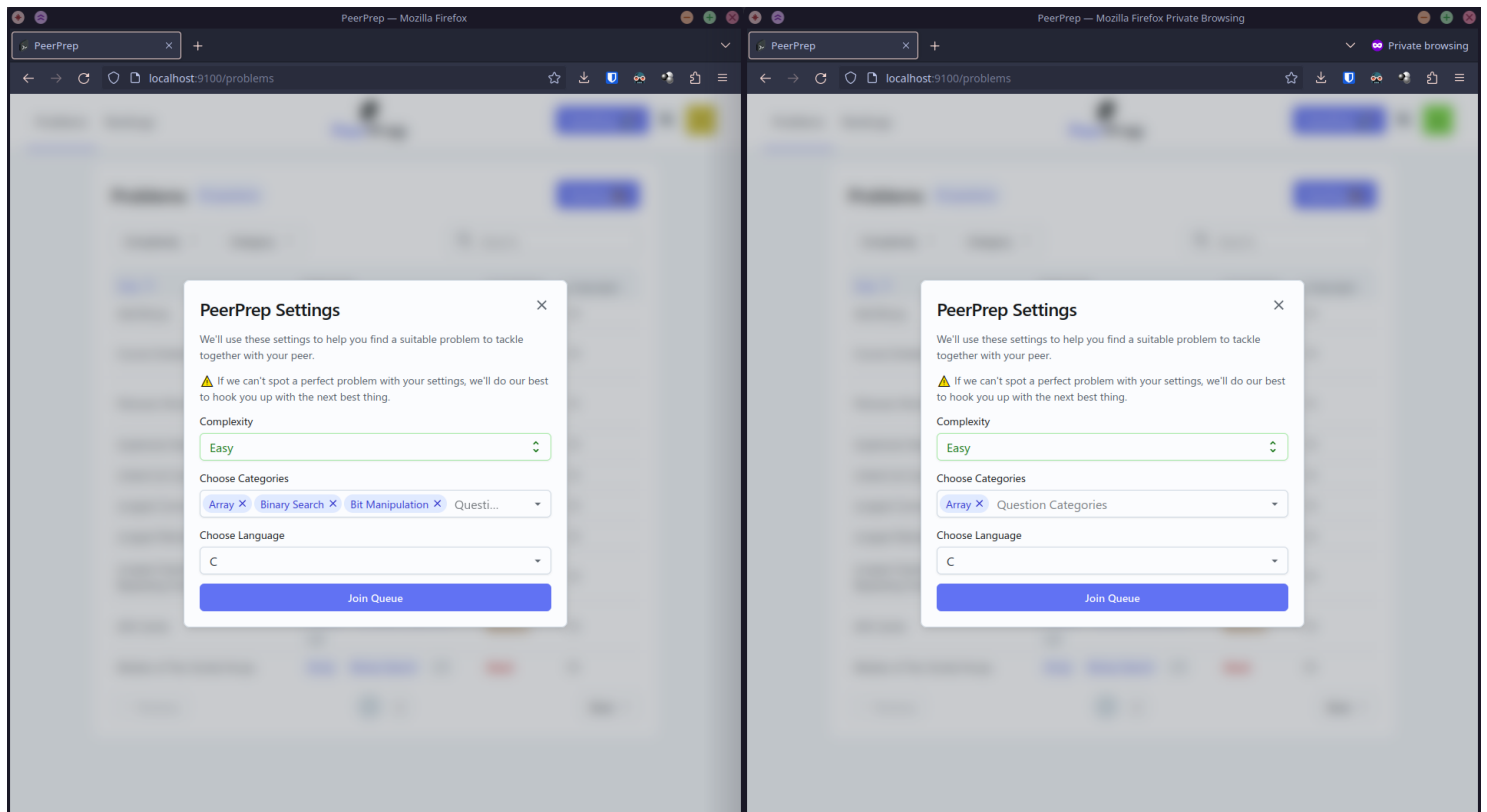Caption: Timer which the user sees while waiting for a match
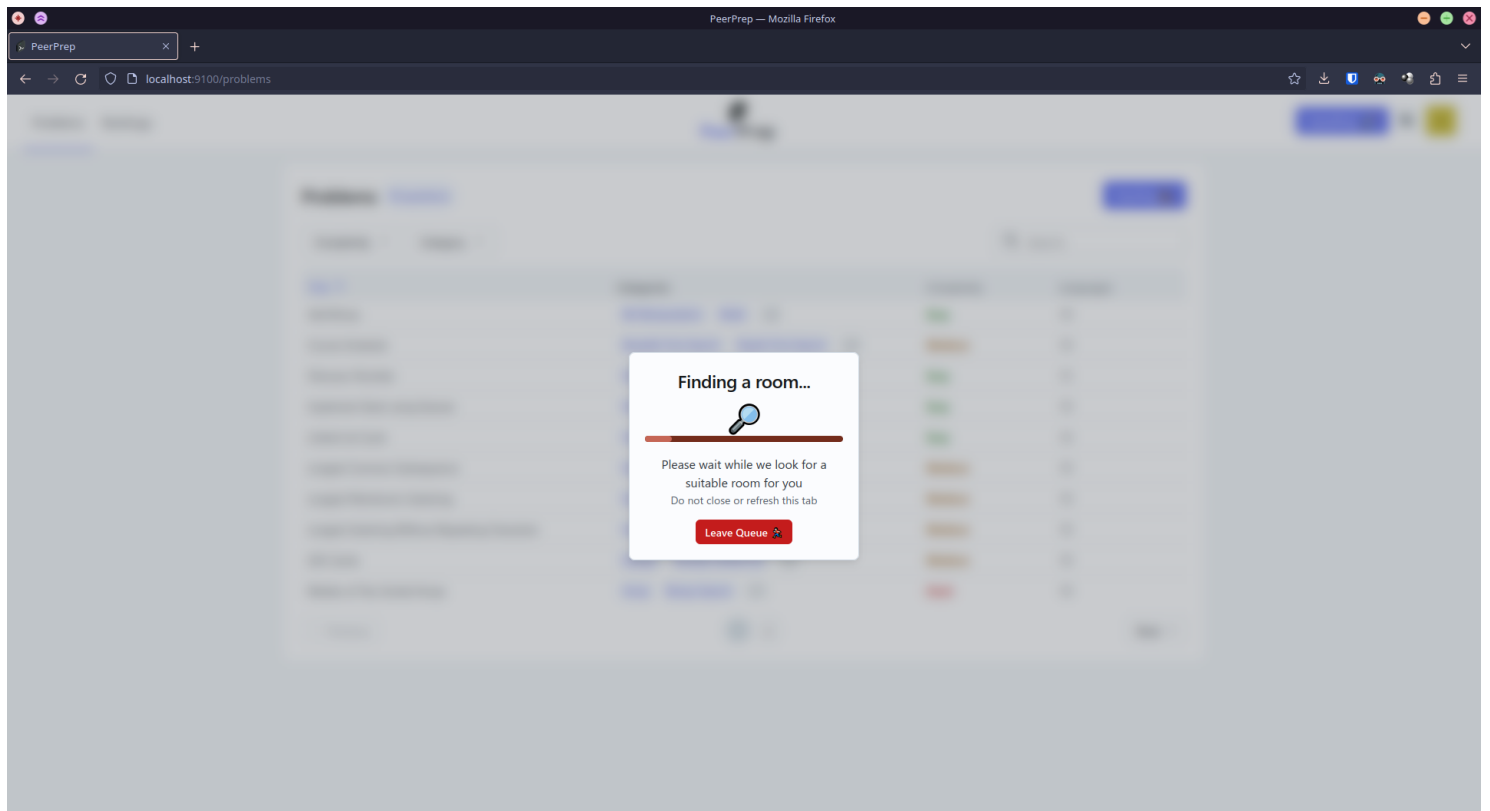
Caption: Timer which the user sees while waiting for a match as it approaches zero
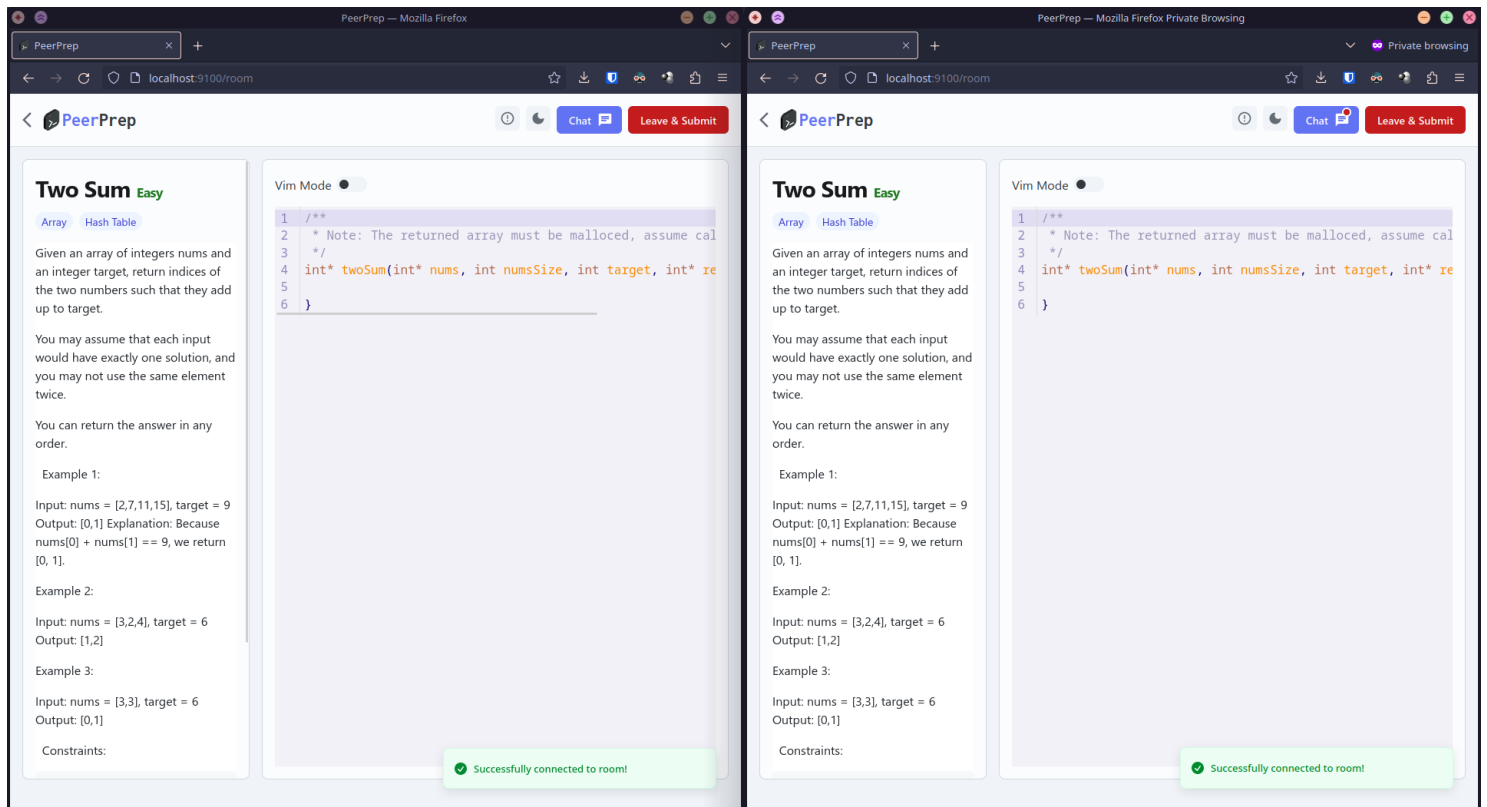
Caption: Unsuccessful or timeout on match, user gets error toast message.

Scenario: Successful user match

Caption: Before joining queue

Caption: Users joins queue and successfully match

```
matching_service> This is the state of the queue before matching
matching_service> db.match_candidates.find({})

matching_service> This it the state of the queue when one of the player joins
matching_service> db.match_candidates.find({})
[
  {
    _id: ObjectId("65558968f4741a0008d78c28"),
    categories: [ 'Array', 'Binary Search', 'Bit Manipulation' ],
    expireAt: ISODate("2023-11-16T03:16:22.672Z"),
    userID: '2',
    complexity: 'Easy',
    language: 'c',
    __v: 0
  }
]
matching_service> This is the state of the queue after matching
matching_service> db.match_candidates.find({})

matching_service>
```

Caption: Matching database state during stages of matching

```
room=# This is the state of rooms before any matching is completed^C
room=# SELECT * FROM room;
 room_id | user_ids | question_id | question_lang_slug | room_expiry
---------+----------+-------------+--------------------+-------------
(0 rows)

room=# This is the state of rooms after a match is made, and room created^C
room=# SELECT * FROM room;
            room_id             | user_ids |        question_id        | question_lang_slug |       room_expiry
--------------------------------+----------+---------------------------+--------------------+-------------------------
 f988c479-2368-4269-abb5-f2c348db8ca5 | {3,2}    | 655580d5998d30d6d6bf444f | c                  | 2023-11-16 03:49:29.744
(1 row)

room=#
```

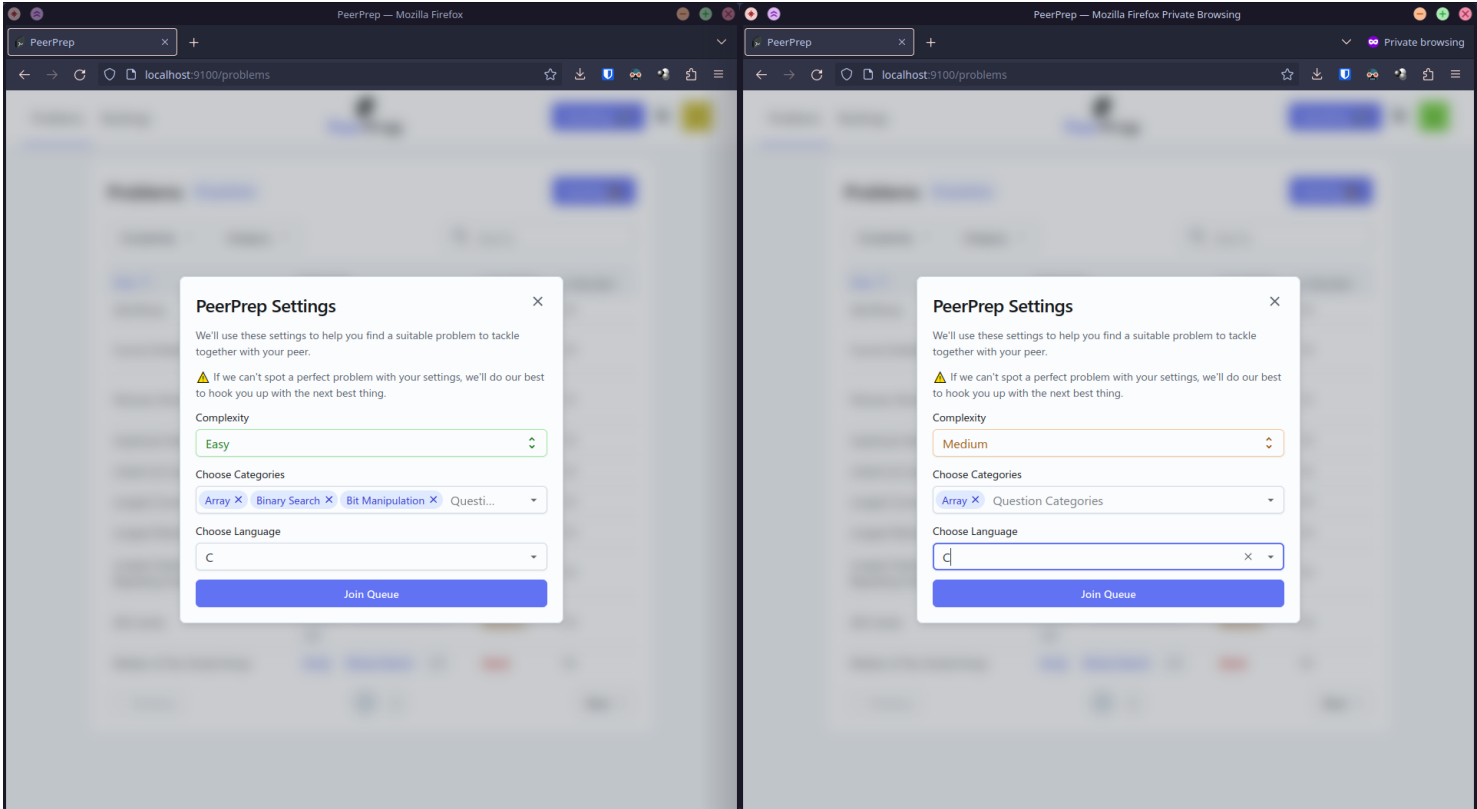Caption: Room database state during stages of matching

New Tab Split View

Copy Paste Find

User 2 joins

User 3 joins

Match is made &
users are informed

```
User 2: Not in room, means I can join queue!
Joined queue with Easy, c,
            {"data":{"complexity":"Easy","categories":["Array","Bit Manipulation","Breadth-First Search"],"language":"c","expireAt":"2023-11-16T0
4:35:33.651Z"}}
User 2: In queue! - Thu Nov 16 2023 04:35:03 GMT+0000 (Coordinated Universal Time)
User 3: Not in room, means I can join queue!
User 3: I've matched with someone with same categories! : Array
User 3: I have been matched or I am already in a room!
User 2: I have been matched or I am already in a room!
```

pudding ~ ♡ 12:35

Caption: API server logs during stages of matching

Scenario: No match

Caption: Two users selecting different requirements
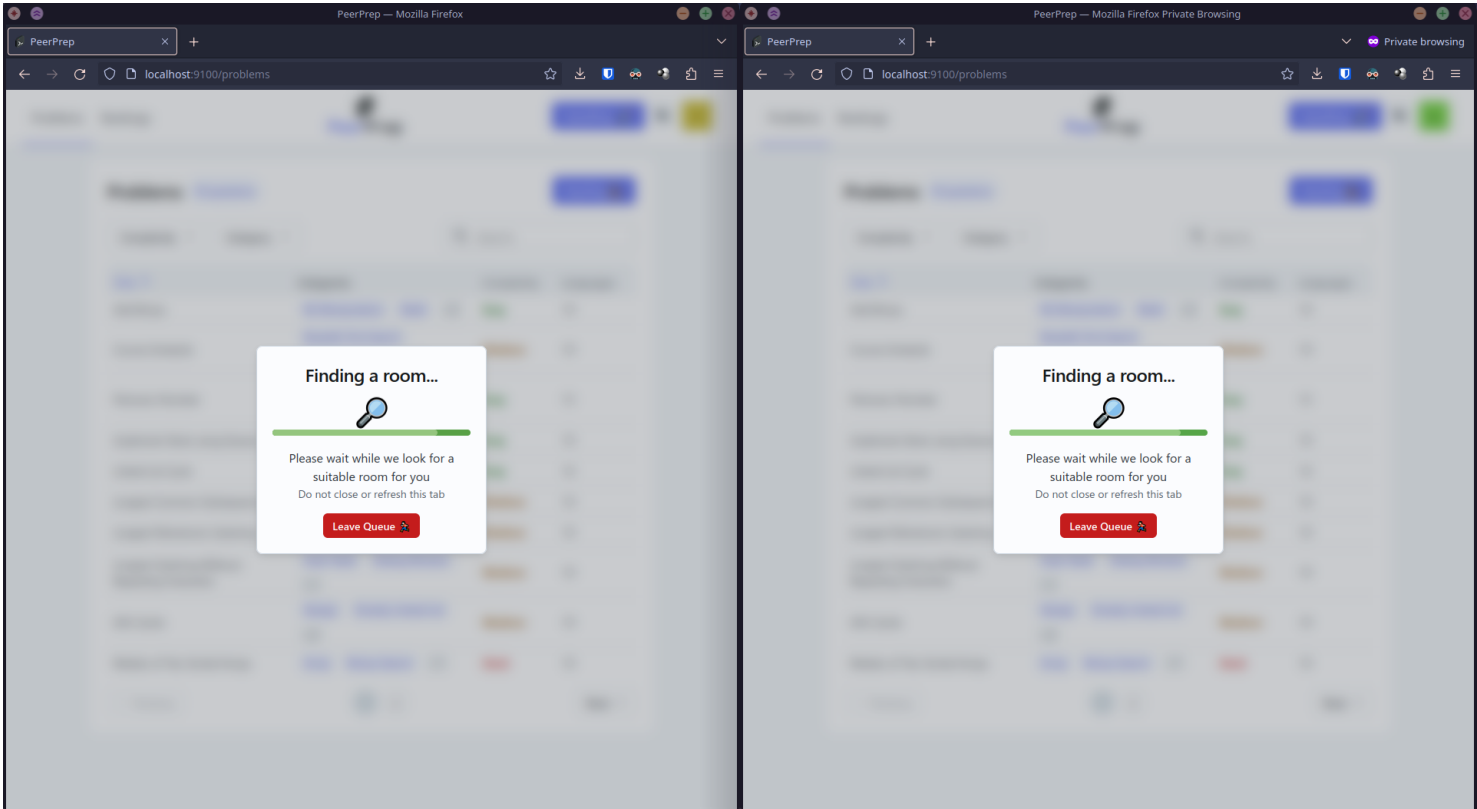
Caption: Both users join queue
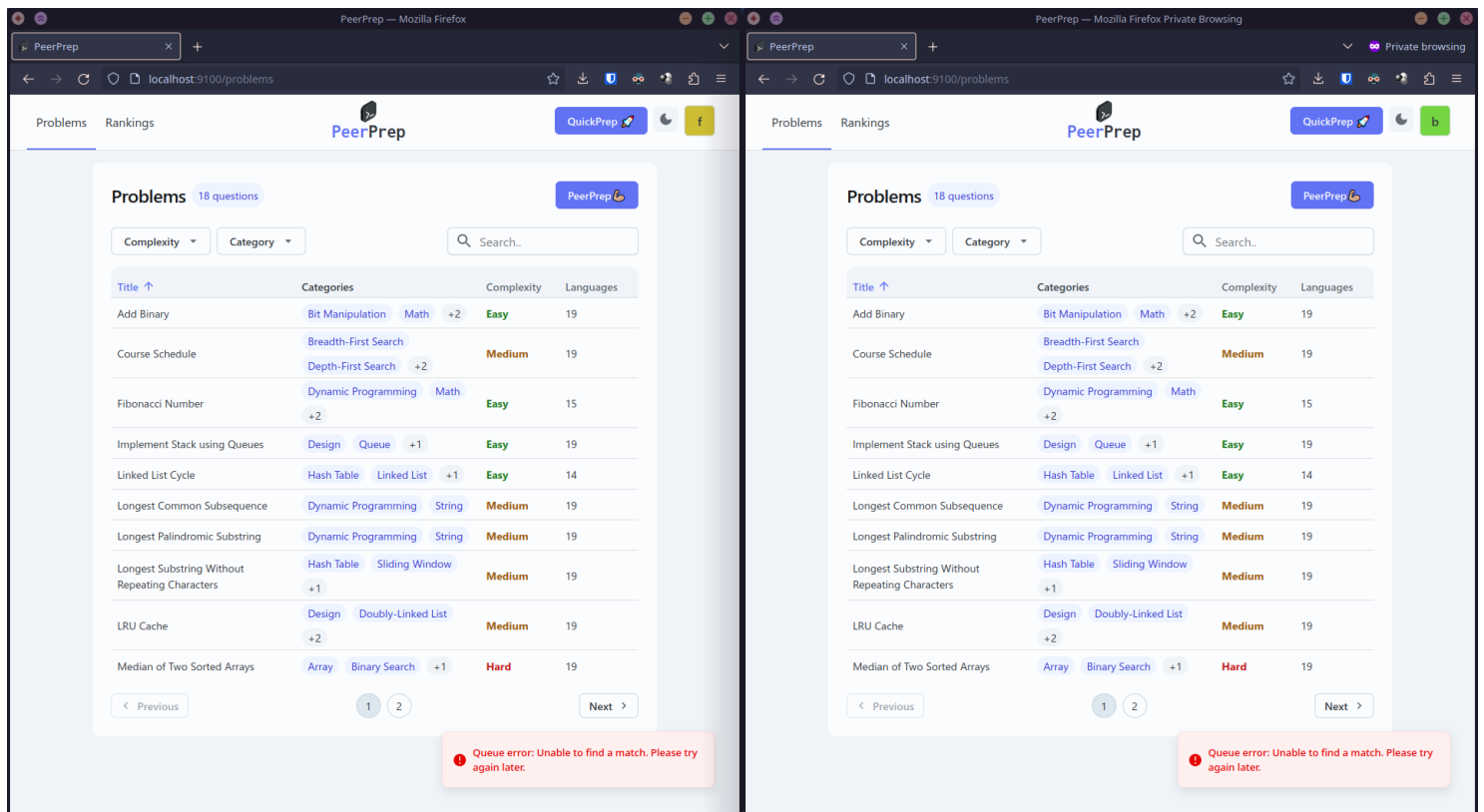
Caption: Both users timeout

Caption: Matching database state during stages of matching

Caption: Room database state during stages of matching

Caption: API server logs during stages of matching