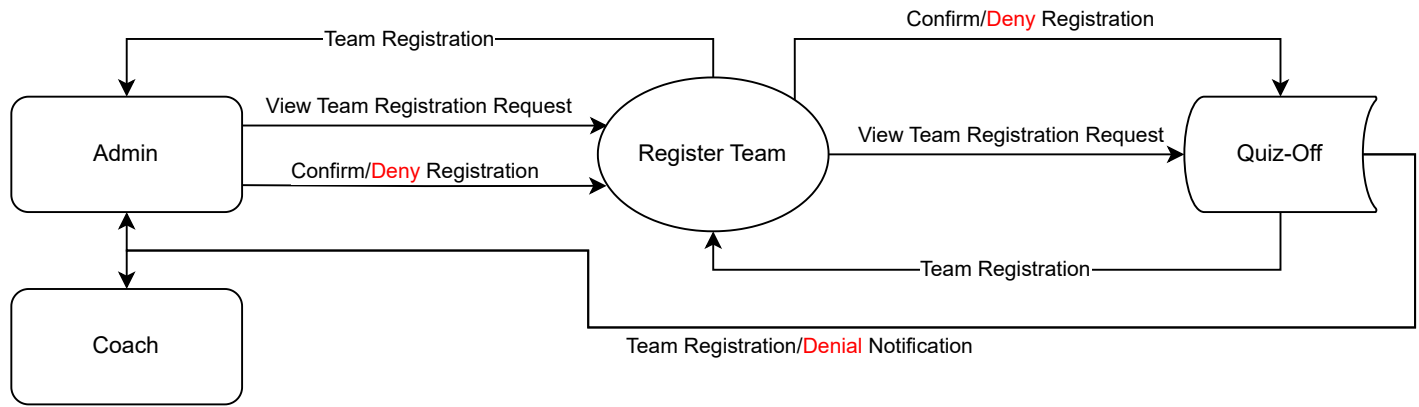


A1

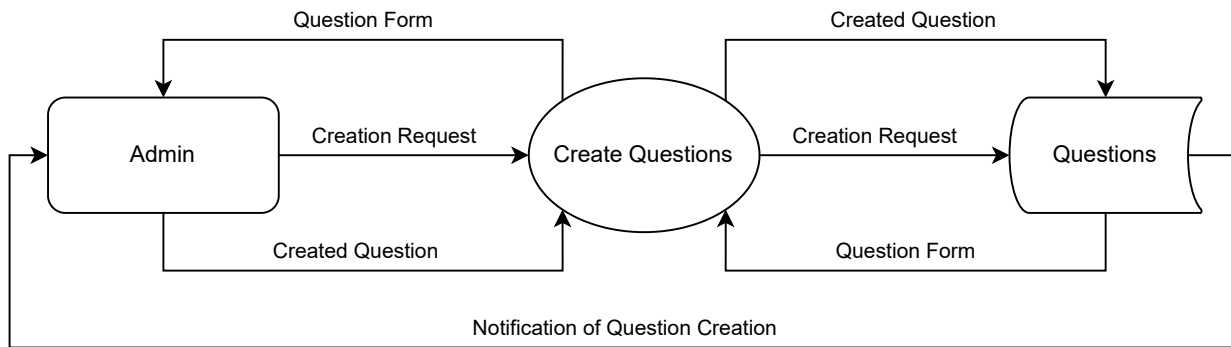


Process Specification:

Register Team

- Purpose: An admin reviews a request for a coach to register a team for a quiz-off and chooses to accept or deny their request
- Input: View Team Registration Request, Confirm/Deny Registration
- Output: Team Registration, Team Registration/Denial Notification
- Process: An admin looks at a request to add a team to a quiz-off. The admin then confirms or denies the request they receive. Notifications are sent to both the admin and coach to confirm the action was taken and to notify of the action taken respectively.

A2

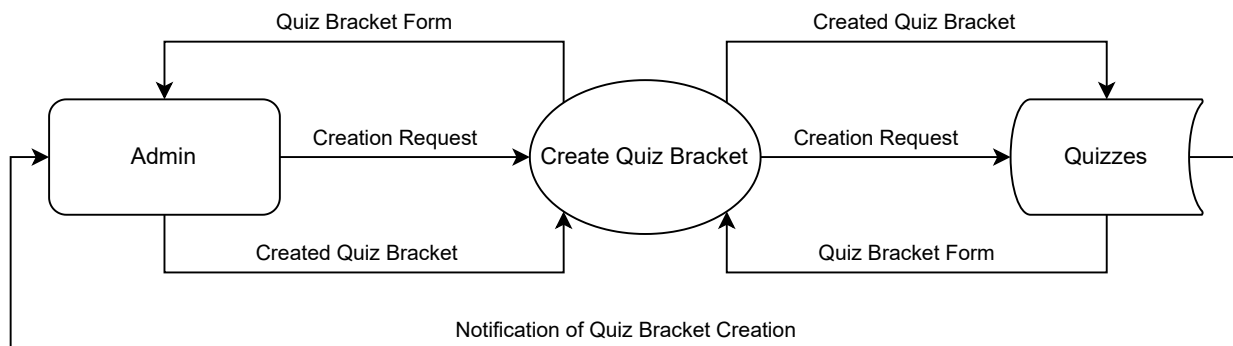


Process Specification:

Create Questions

- Purpose: An admin creates questions for a quiz-off
- Input: Creation Request, Created Question
- Output: Question Form, Notification of Question Creation
- Process: An admin clicks on create a question button and a form to create a question is sent to them. They fill in the form and submit it to the application. The question is added to the database and a notification of success is sent to the admin.

A3

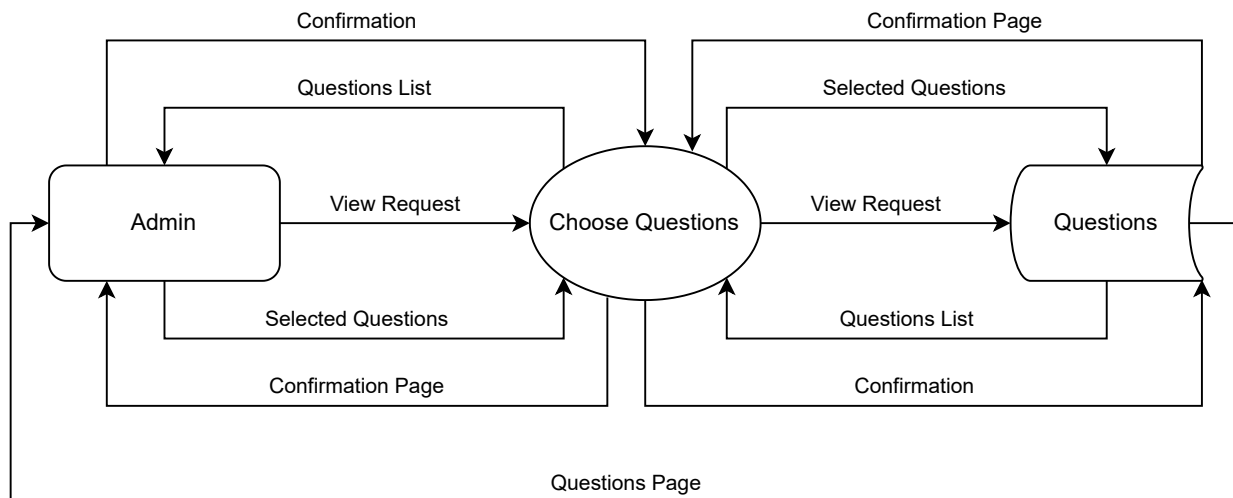


Process Specification:

Create Quiz Bracket

- Purpose: An admin creates a quiz bracket for a quiz-off
- Input: Creation Request, Created Quiz Bracket
- Output: Quiz Bracket Form, Notification of Quiz Bracket Creation
- Process: An admin clicks on a button to create a quiz and a form is sent to the admin. They fill out and submit the form. The bracket is added to the database and a notification of success is sent to the admin.

A4

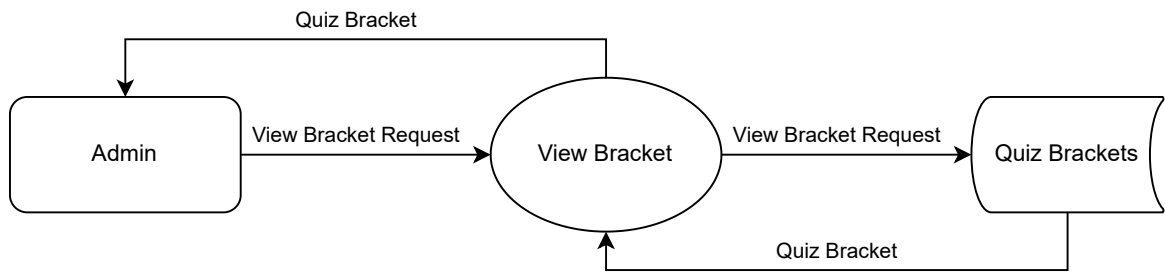


Process Specification:

Choose Questions

- Purpose: An admin chooses the questions for a quiz-off
- Input: View Request, Selected Questions, Confirmation
- Output: Questions List, Confirmation Page, Questions Page
- Process: An admin clicks on choose questions button. A list of all the created questions is sent to the admin. The admin selects the questions they want and a confirmation page is returned to make sure they want those questions. The admin clicks confirm and the questions are marked to be used in the quiz-off in the database. The admin is returned to the questions page.

A5

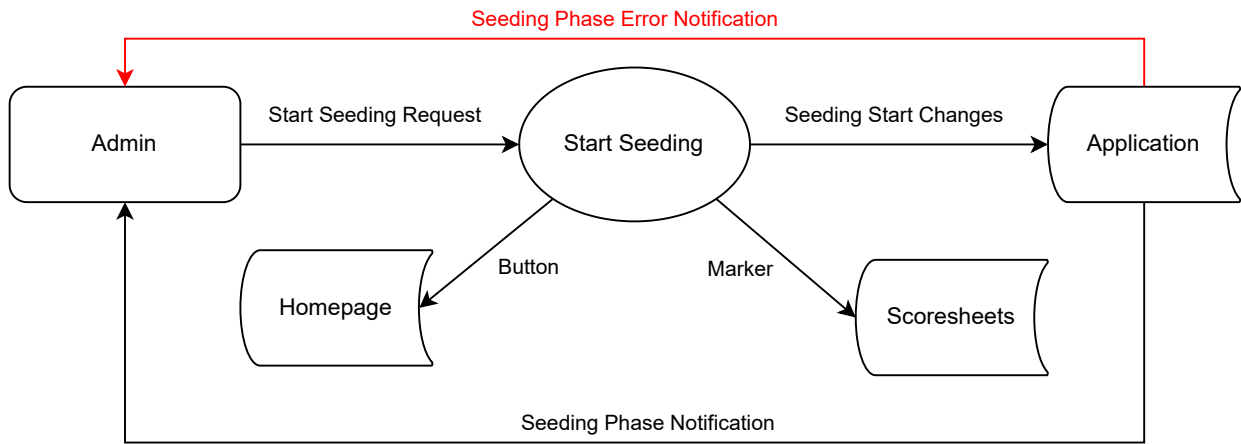


Process Specification:

View Bracket

- Purpose: An admin views their created quiz bracket for a quiz-off
- Input: View Bracket Request
- Output: Quiz Bracket
- Process: An admin clicks on the button to view a current or previous bracket. The admin then is shown the quiz bracket they desire to see.

A6

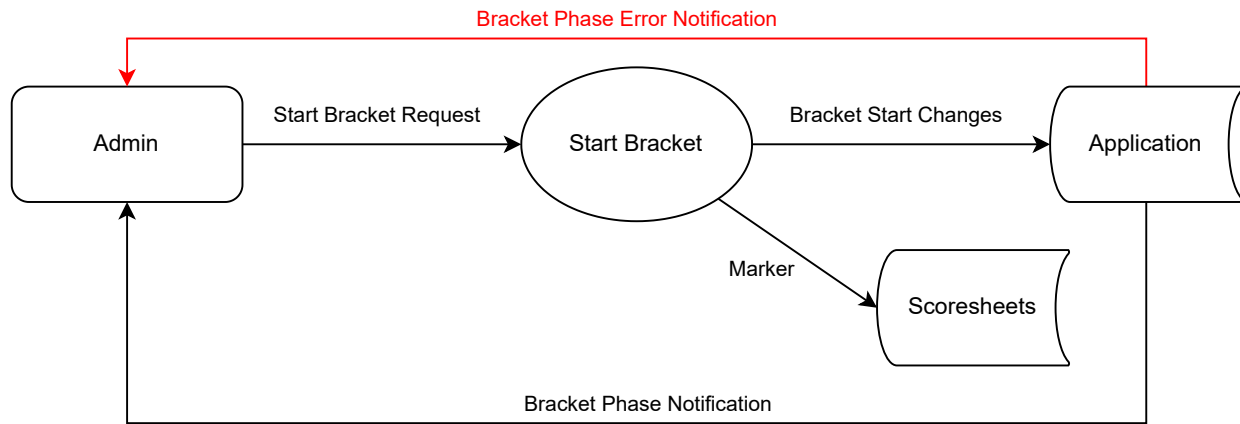


Process Specification:

Start Seeding

- Purpose: An admin starts the seeding phase of a quiz-off
- Input: Start Seeding Request
- Output: Seeding Start Change, Button, Marker, Seeding Phase Notification, **Seeding Phase Error Notification**
- Process: An admin presses the start seeding phase button. A process runs to start the seeding phase and the changes are made in the application, where a button is added to the homepage and seeding phase markers are added to the scoresheets. A notification is sent to the admin of a successful phase change, or given an error message if the seeding phase was unable to be started properly.

A7

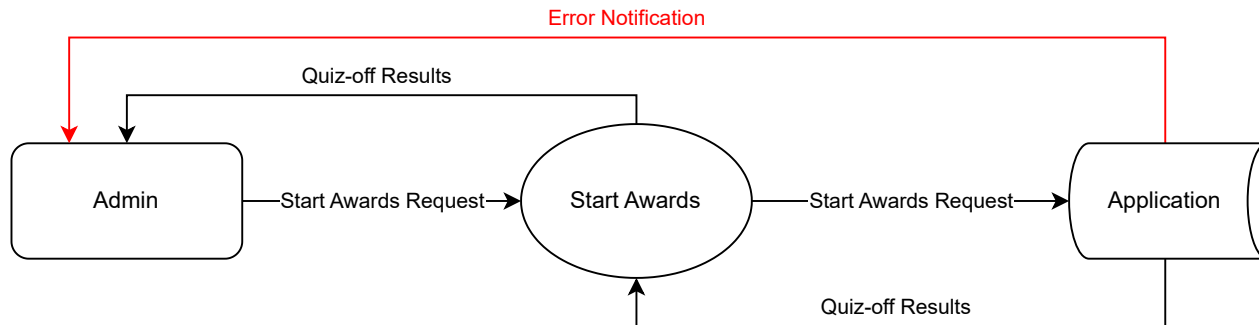


Process Specification:

Start Bracket

- Purpose: An admin starts the bracket phase of a quiz-off
- Input: Start Bracket Request
- Output: Bracket Start Change, Marker, Bracket Phase Notification, **Bracket Phase Error Notification**
- Process: An admin presses the start the bracket phase button. A process runs to start the bracket phase and the changes are made in the application, where a marker is added to the scoresheets so they are associated with the bracket phase. A notification is sent to the admin of a successful phase change, or given an error message if the bracket phase was unable to be started properly.

A8

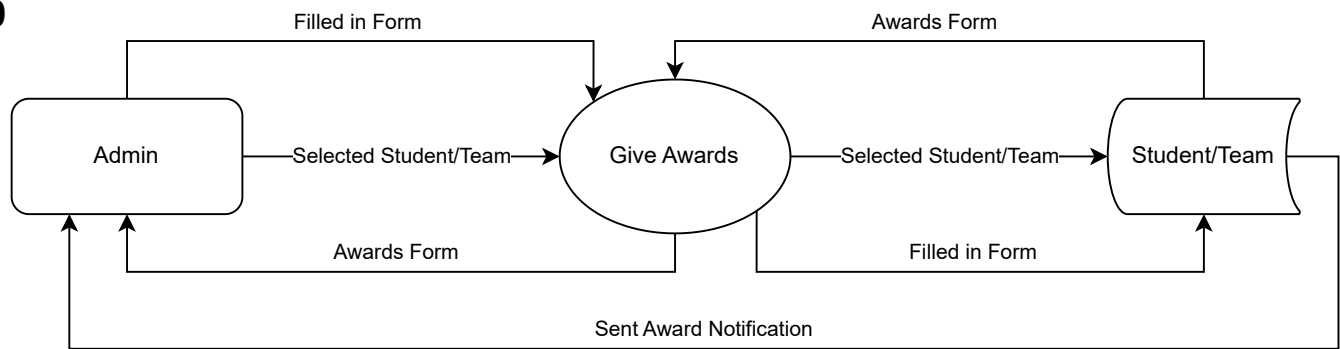


Process Specification:

Start Awards

- Purpose: An admin starts the award phase of the quiz-off
- Input: Start Awards Request
- Output: Quiz-off Results, **Error Notification**
- Process: An admin requests the award phase to start. If all goes well, the quiz-off results are shown to the admin. If not, an error notification is displayed about the bracket phase not being completed.

A9

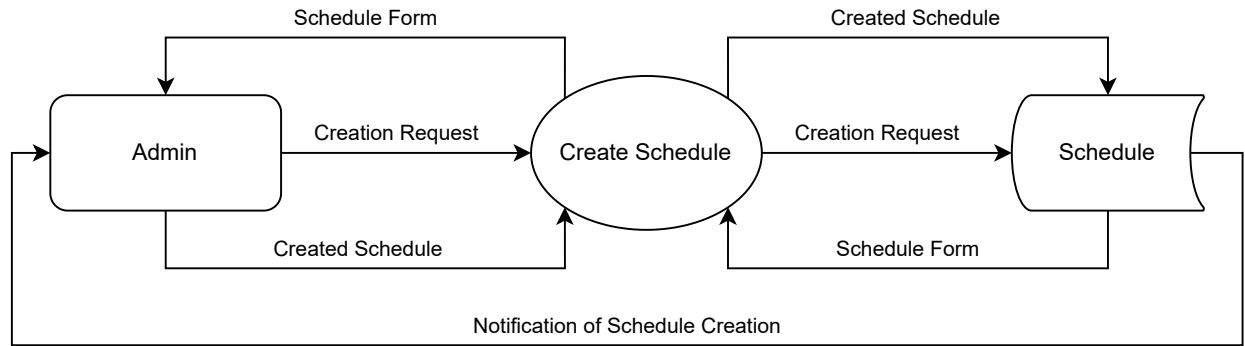


Process Specification:

Give Awards

- Purpose: An admin gives awards to the students/teams so they can be kept track of
- Input: Selected Student/Team, Filled in Form
- Output: Awards Form, Sent Award Notification
- Process: An admin clicks on the desired student or team. The admin is given a form to choose an award for the student/team. The form is submitted and the award is added to the database, available for those given it to see. A notification is sent to the admin of the sent award.

A10

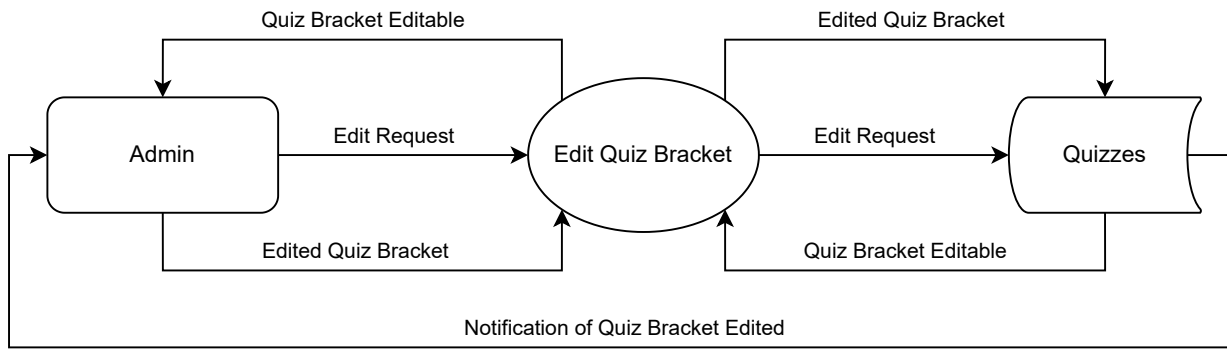


Process Specification:

Create Schedule

- Purpose: An admin creates a schedule for a quiz-off
- Input: Creation Request, Created Schedule
- Output: Schedule Form, Notification of Schedule Creation
- Process: An admin clicks on a button to create a schedule and a form is sent to the admin. They fill out and submit the form. The schedule is added to the database and a notification of success is sent to the admin.

A11

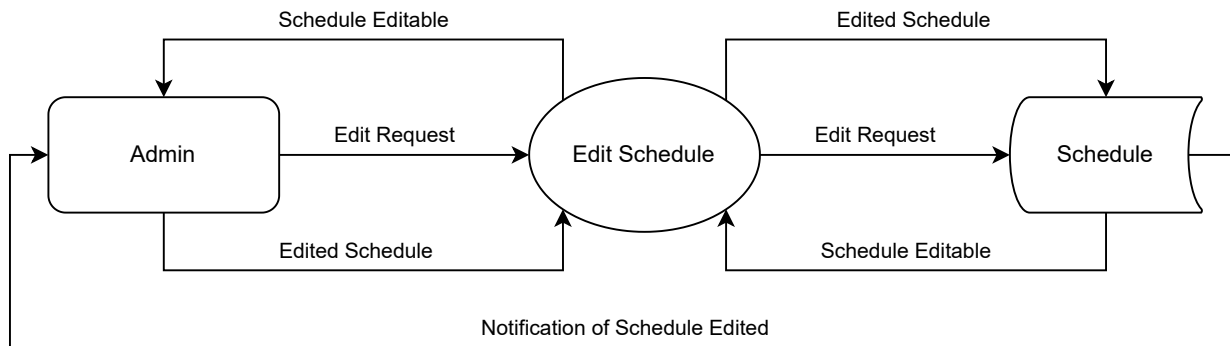


Process Specification:

Create Quiz Bracket

- Purpose: An admin edits a quiz bracket for a quiz-off
- Input: Edit Request, Edited Quiz Bracket
- Output: Quiz Bracket Editable, Notification of Quiz Bracket Edited
- Process: An admin clicks on a quiz bracket to edit it. They make their edits and save their changes. The bracket is updated in the database and a notification of success is sent to the admin.

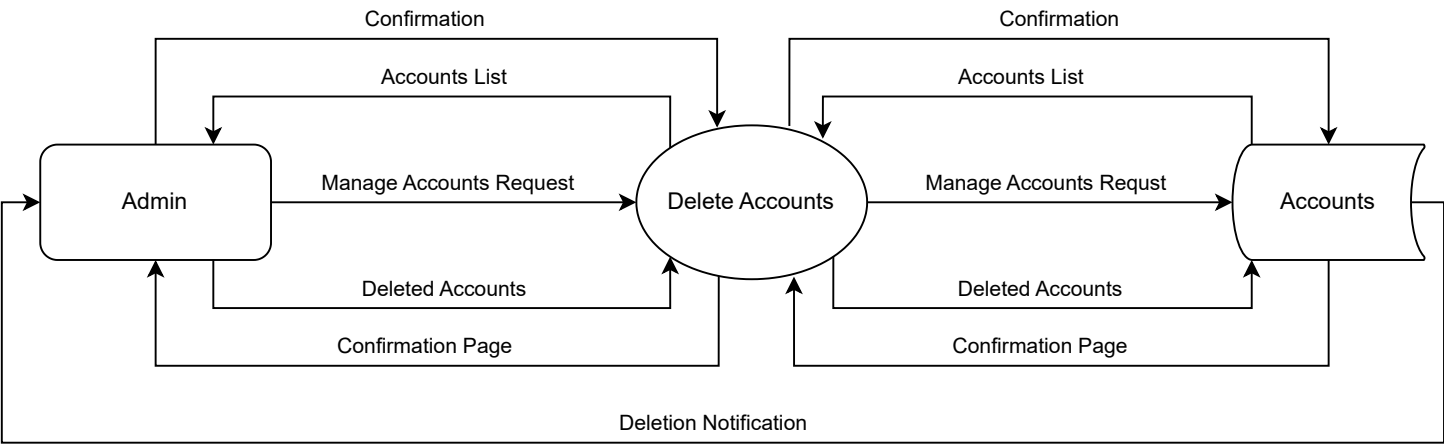
A12



Process Specification:

Edit Schedule

- Purpose: An admin edits a schedule for a quiz-off
- Input: Edit Request, Edited Schedule
- Output: Schedule Editable, Notification of Schedule Edited
- Process: An admin clicks on a schedule to edit it. They make their edits and save their changes. The schedule is updated in the database and a notification of success is sent to the admin.

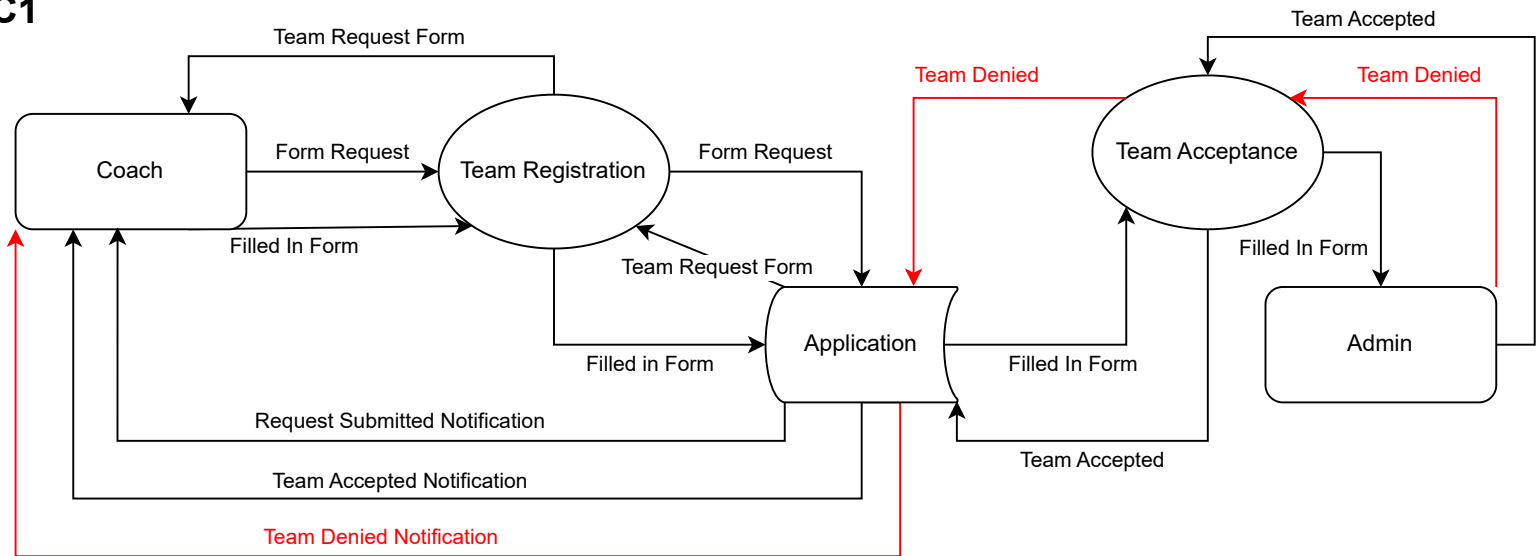


Process Specification:

Delete Accounts

- Purpose: An admin deletes unused accounts
- Input: Manage Accounts Request, Deleted Accounts, Confirmation
- Output: Accounts List, Confirmation Page, Deletion Notification
- Process: An admin clicks on the button to manage accounts. The admin receives a list of all the accounts on the application. They select the accounts to be deleted and a confirmation page appears. They confirm the deletion, the accounts are deleted from the database and a notification is sent to the admin of the deletion of the accounts.

C1



Process Specification:

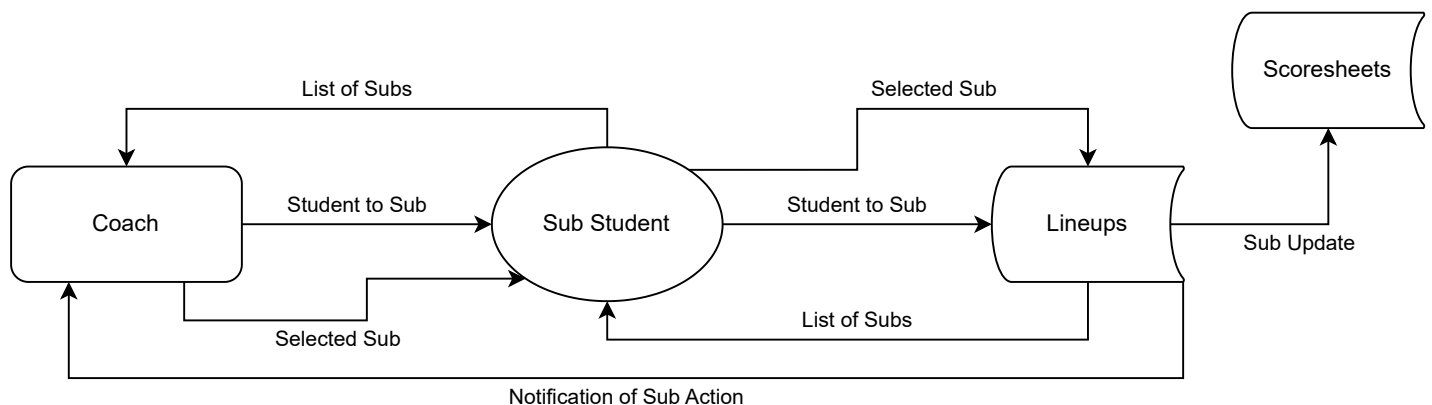
Team Registration

- Purpose: A coach submits a team to an admin to be added to a quiz-off
- Input: Form Request, Filled In Form
- Output: Team Request Form, Request Submitted Notification, Filled In Form
- Process: A coach fills in a form to request for a team to be added to a quiz-off. The form gets sent to the admin for review. A notification of a successful request is sent to the coach.

Team Acceptance

- Purpose: An admin reviews a team to be added to a quiz-off
- Input: Filled In Form, Team Accepted, **Team Denied**
- Output: Team Accepted Notification, **Team Denied Notification**
- Process: An admin receives a request for a team to be added to a quiz-off from a coach. The admin reviews the request. If all goes well, the request is accepted and a notification is sent to the coach. If not, then the request is denied and a notification is sent to the coach.

C2

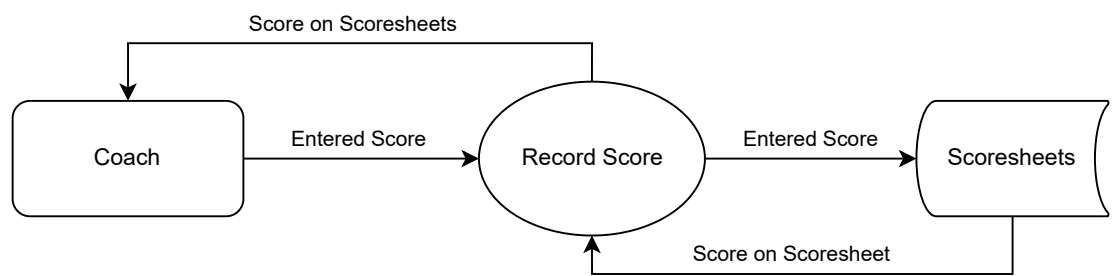


Process Specification:

Sub Student

- Purpose: A coach subs out a student on a team
- Input: Student to Sub, Selected Sub
- Output: List of Subs, Sub Update, Notification of Sub Action
- Process: A coach selects a student on a lineup they want to sub out. They are sent a list of substitutes and select one. The scoresheet is updated to the change and the coach is sent a notification of their change.

C3

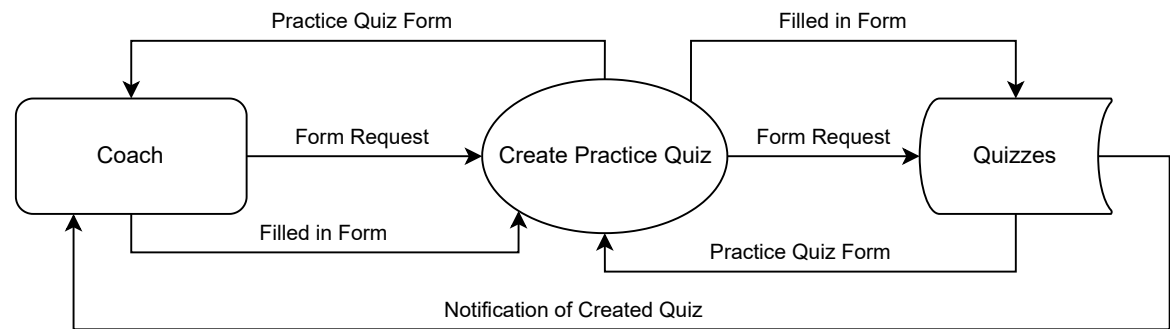


Process Specification:

Record Score

- Purpose: A coach records a score
- Input: Entered Score
- Output: Score on Scoresheet
- Process: A coach enters a score on a scoresheet. The scoresheet is updated, adding the score to the database and showing the new score to the coach.

C4

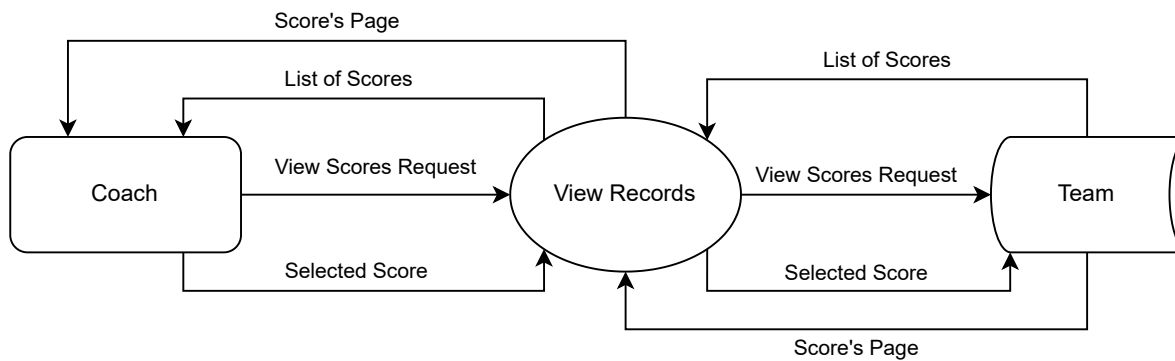


Process Specification:

Create Practice Quiz

- Purpose: A coach creates a practice quiz for him and his students
- Input: Form Request, Filled in Form
- Output: Practice Quiz Form, Notification of Created Quiz
- Process: A coach clicks a button to create a practice quiz. They fill in the form and then submit it. The practice quiz is added to the database and a notification of success is sent to the coach.

C5

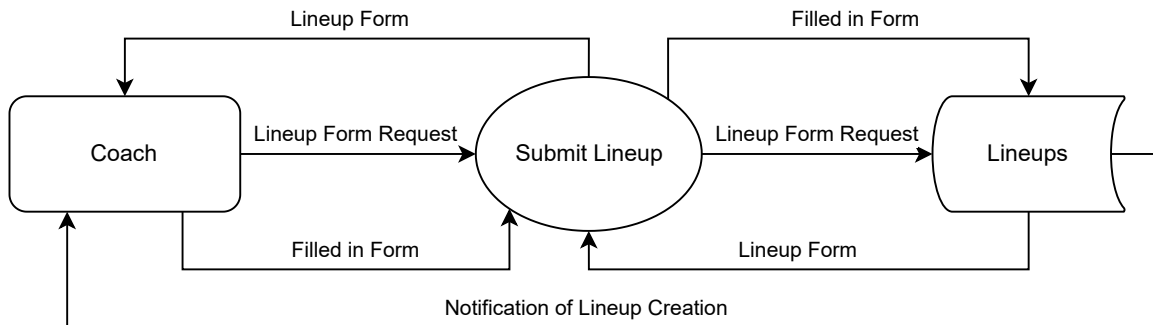


Process Specification

View Records

- Purpose: A coach can view their team's score records from quizzes and practice quizzes
- Input: View Scores Request, Selected Score
- Output: List of Scores, Score's Page
- Process: A coach presses a button to view their team's scores. They see a page of a list of the scores, and they select one that they want to see more specific details on. The application then shows the appropriate page.

C6

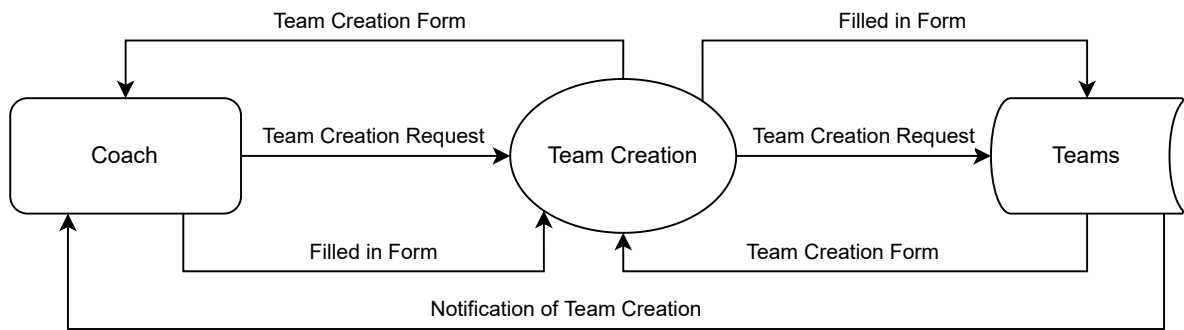


Process Specification:

Submit Lineup

- Purpose: A coach creates a lineup for their team for a quiz-off
- Input: Lineup Form Request, Filled in Form
- Output: Lineup Form, Notification of Lineup Creation
- Process: A coach clicks on the button to create a lineup. They fill in the received form and send that back to the application. The lineup is added to the database and a notification of success is sent back to the coach.

C7

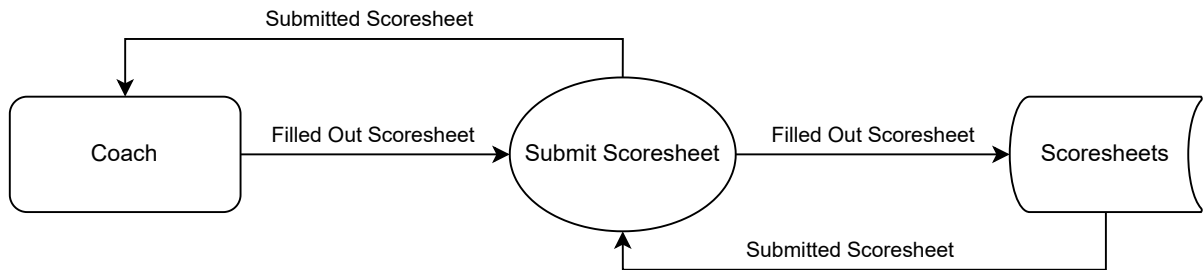


Process Specification:

Team Creation

- Purpose: A coach creates a team
- Input: Team Creation Request, Filled in Form
- Output: Team Creation Form, Notification of Team Creation
- Process: A coach clicks a button to create a team. The coach fills in the form received and submits it. The newly created team is added to the database for the coach and students to view, and a notification of success is sent to the coach.

C8

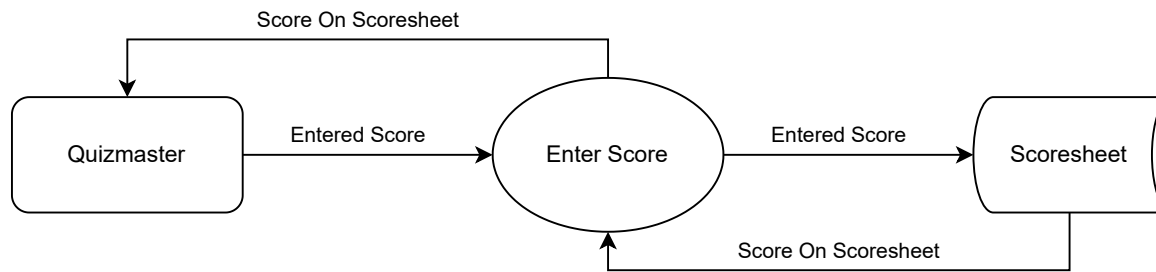


Process Specification:

Submit Scoresheet

- Purpose: A coach fills in a scoresheet during a quiz-off and submits it so it can be used to check for scoring discrepancies
- Input: Filled Out Scoresheet
- Output: Submitted Scoresheet
- Process: A coach submits their scoresheet once a quiz is completed. The scoresheet is updated in the database and available for discrepancy checks. The coach's scoresheet is then unavailable to edit and shown as submitted.

Q1

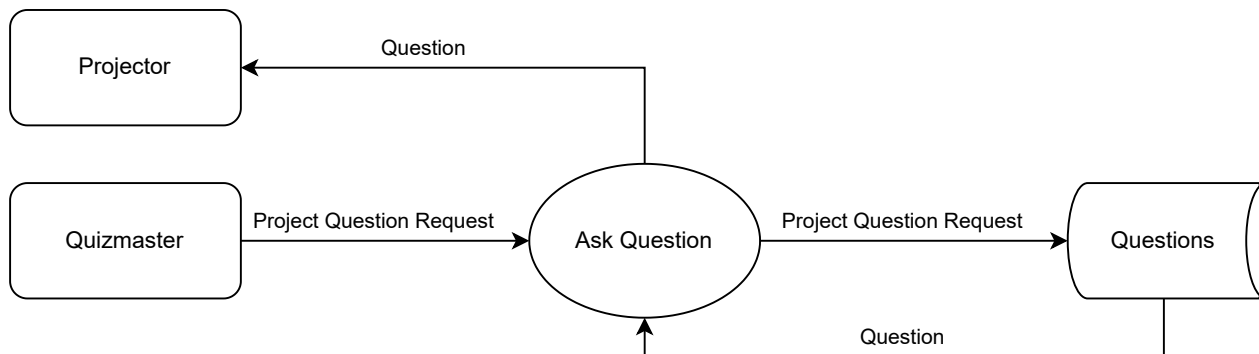


Process Specification:

Enter Score

- Purpose: A quizmaster enters a score onto a scoresheet while a quiz-off is running
- Input: Entered Score
- Output: Score On Scoresheet
- Process: A quizmaster clicks on a cell they want to edit and enters in the proper score. The database is updated and the score is now shown on the scoresheet.

Q2

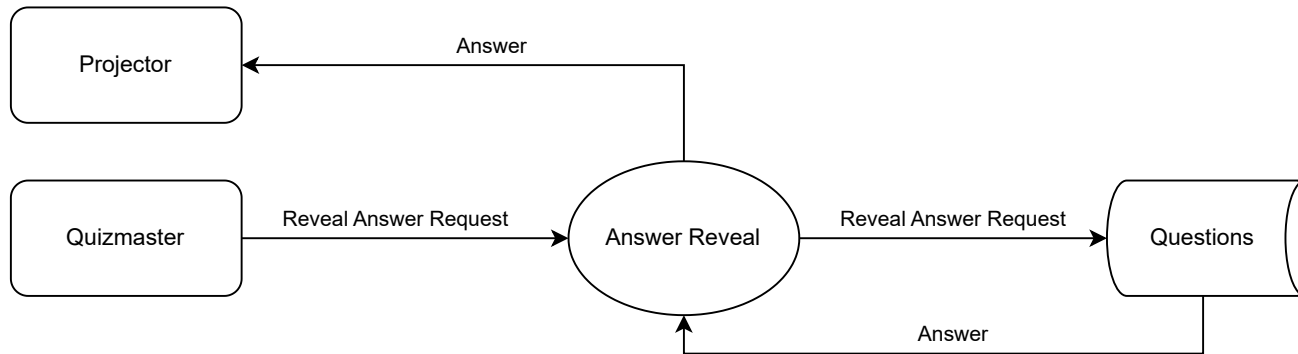


Process Specification:

Ask Question

- Purpose: A quizmaster asks a question and projects it on a screen
- Input: Project Question Request
- Output: Question
- Process: A quizmaster presses a button to project the question they are going to ask. The request gets the question wanted from the database and sends it to the projector.

Q3

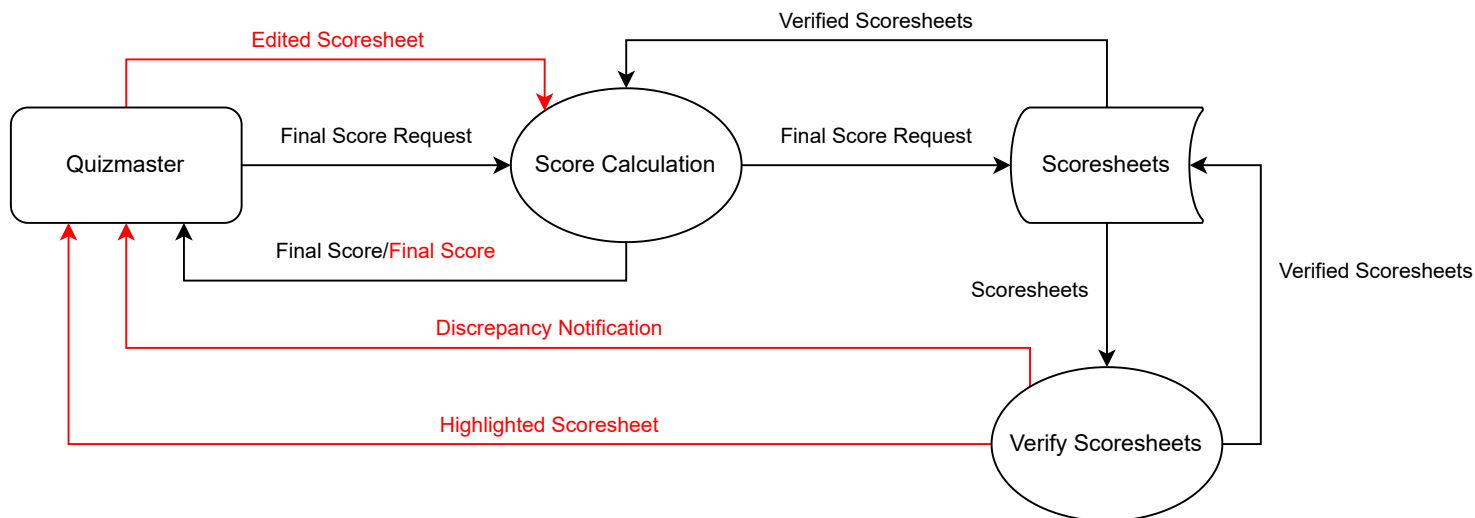


Process Specification:

Answer Reveal

- Purpose: A quizmaster reveals the answer to the question
- Input: Reveal Answer Request
- Output: Answer
- Process: A quizmaster presses the button to reveal the answer. The answer is gotten from the database and sent to the projector.

Q4



Process Specification:

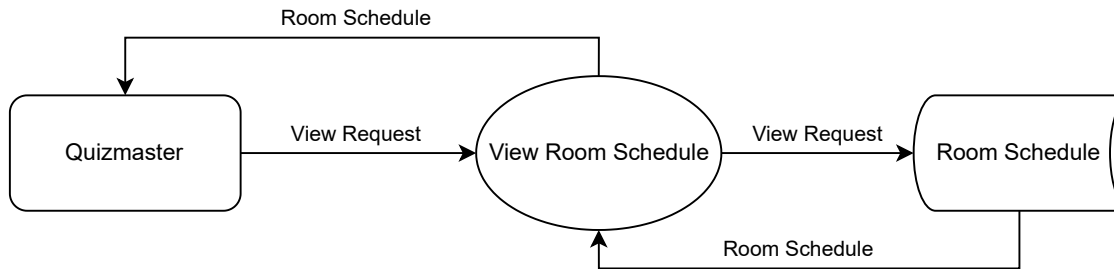
Score Calculation

- Purpose: A quizmaster calculates the final score of a quiz to determine the winner
- Input: Final Score Request, Verified Scoresheets, **Edited Scoresheets**
- Output: Scoresheets, Final Score/**Final Score**
- Process: A quizmaster requests the quiz final scores to be calculated. The scoresheets of the quizmaster and coaches are checked against each other. If all goes well, the scoresheets match and the final score is calculated. If not, the scoresheet is edited by the quizmaster and sent back to be calculated. The final score is then sent to the quizmaster.

Verify Scoresheets

- Purpose: To verify the scoresheets of the quizmaster and the coaches so they match
- Input: Scoresheets
- Output: Verified Scoresheets, **Discrepancy Notification**, **Highlighted Scoresheet**
- Process: The scoresheets are checked for discrepancies. If all is well and there is none, the verified scoresheets are sent back to be calculated. If not, a notification is sent to the quizmaster of the discrepancies and the scoresheet has the cells that are mismatched highlighted ready to be edited.

Q5

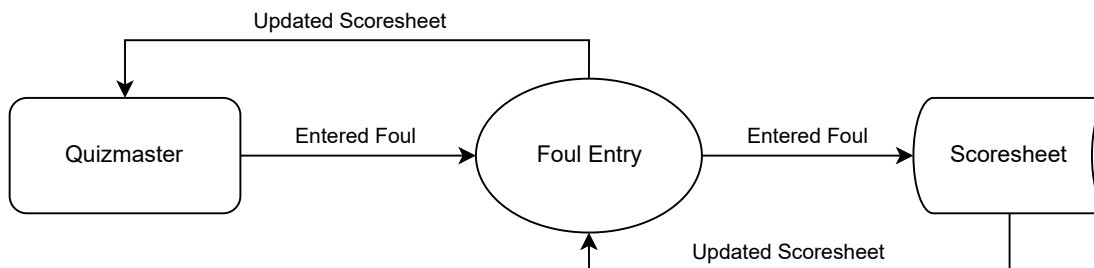


Process Specification:

View Room Schedule

- Purpose: A quizmaster views the room schedule so they can prepare for the quiz-off
- Input: View Request
- Output: Room Schedule
- Process: A quizmaster requests to view a room schedule. The room schedule is grabbed from the database and sent to the quizmaster for them to view.

Q6

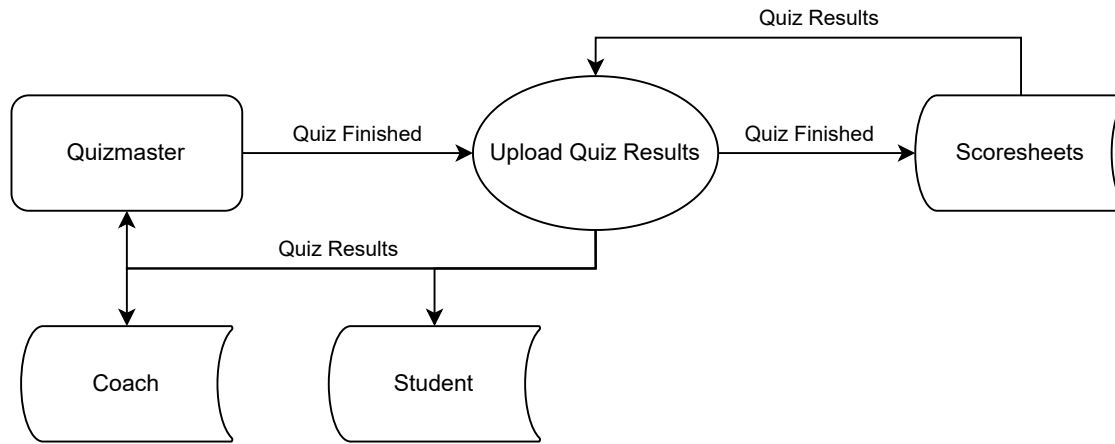


Process Specification:

Foul Entry

- Purpose: A quizmaster enters a foul for a student
- Input: Entered Foul
- Output: Updated Scoresheet
- Process: A quizmaster locates the student who committed a foul and enters the new foul. The database is updated and sends back the updated scoresheet which shows the foul.

Q7

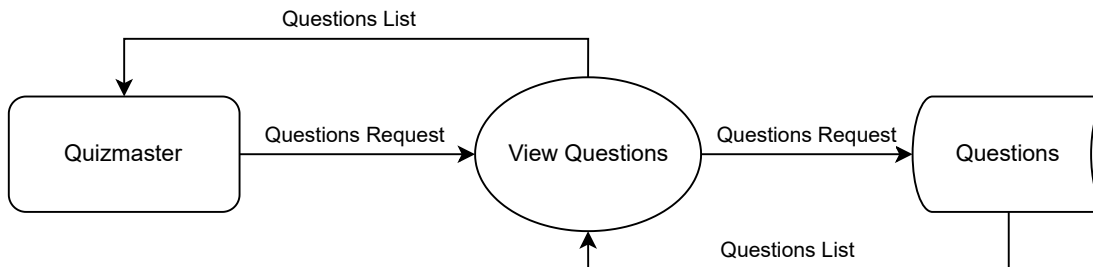


Process Specification:

Upload Quiz Results

- Purpose: A quizmaster uploads the scoresheets after a quiz is finished
- Input: Quiz Finished
- Output: Quiz Results
- Process: A quizmaster clicks the quiz finished button and submits the quiz scoresheets to the database. The results from the quiz are available to students and coaches on the application and the quizmaster is shown the results.

Q8

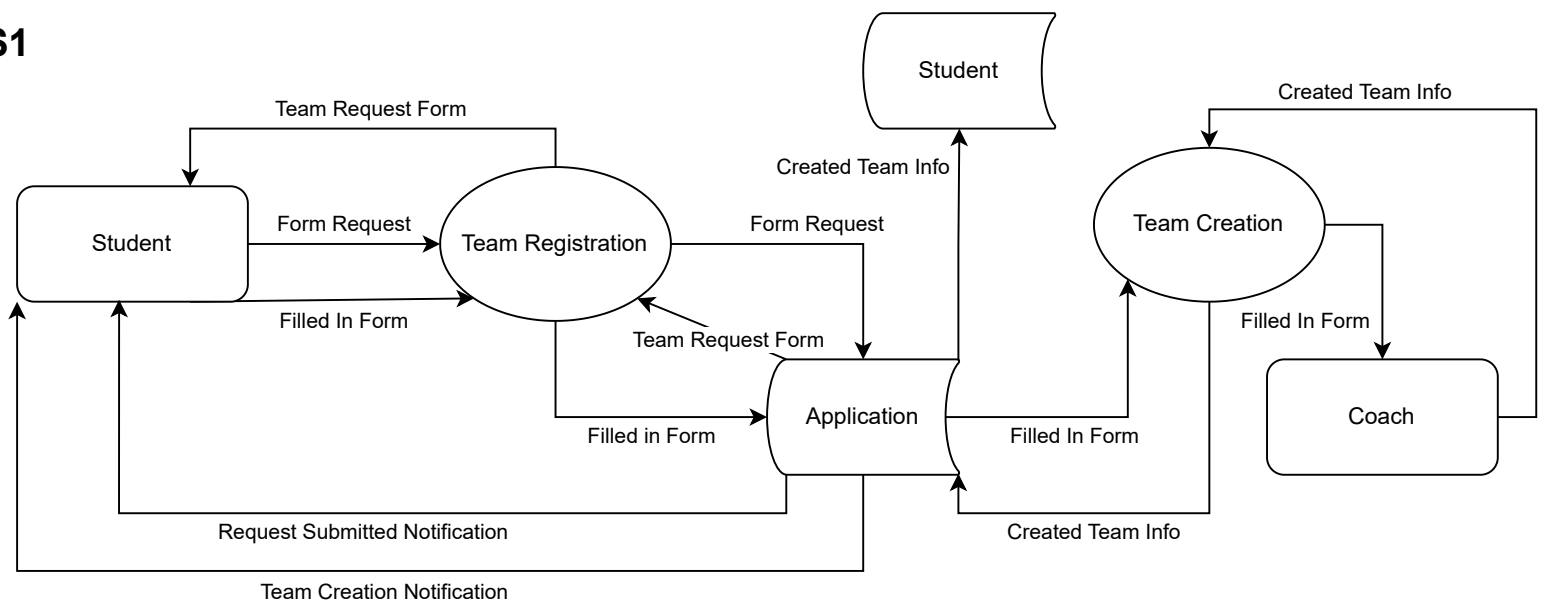


Process Specification:

View Questions

- Purpose: A quizmaster views the questions for a quiz-off
- Input: Questions Request
- Output: Questions List
- Process: A quizmaster clicks on a button to view the questions for a quiz-off. The application sends back a list of all the questions to be used in the quiz-off.

S1



Process Specification:

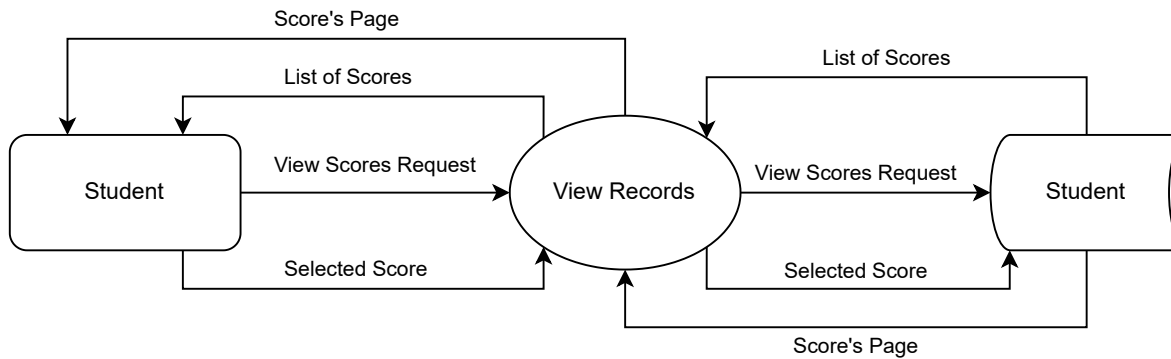
Team Registration

- Purpose: A student can send a request to be on a certain team
- Input: Form Request, Filled In Form
- Output: Team Request Form, Filled in Form, Request Submitted Notification
- Process: A student presses a button to fill in a form to be on a certain team. The student fills in the form and submits it where the form then gets sent to the coach and the student gets a notification on a successful request.

Team Creation

- Purpose: A coach creates a team based on a student's request
- Input: Filled In Form
- Output: Created Team Info, Team Creation Notification
- Process: A coach gets a student's team request and they create a team based on the request. The created team is added to the database and students are informed they are on a team, and the students have access to the team page.

S2

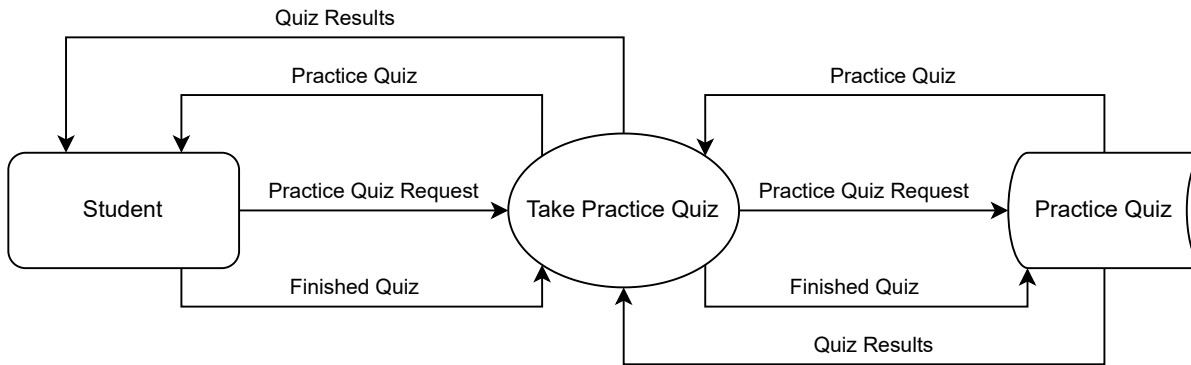


Process Specification

View Records

- Purpose: A student can view their score records from quizzes and practice quizzes
- Input: View Scores Request, Selected Score
- Output: List of Scores, Score's Page
- Process: A student presses a button to view their scores. They see a page of a list of their scores, and they select one that they want to see more specific details on. The application then shows the appropriate page.

S3

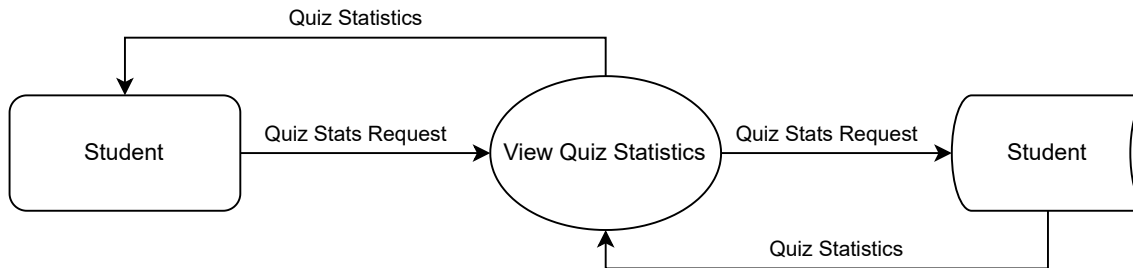


Process Specification:

Take Practice Quiz

- Purpose: A student takes a practice quiz
- Input: Practice Quiz Request, Finished Quiz
- Output: Practice Quiz, Quiz Results
- Process: A student requests to take a practice quiz and receives one. They take that practice quiz and submit it. The quiz results are then shown to the student.

S4

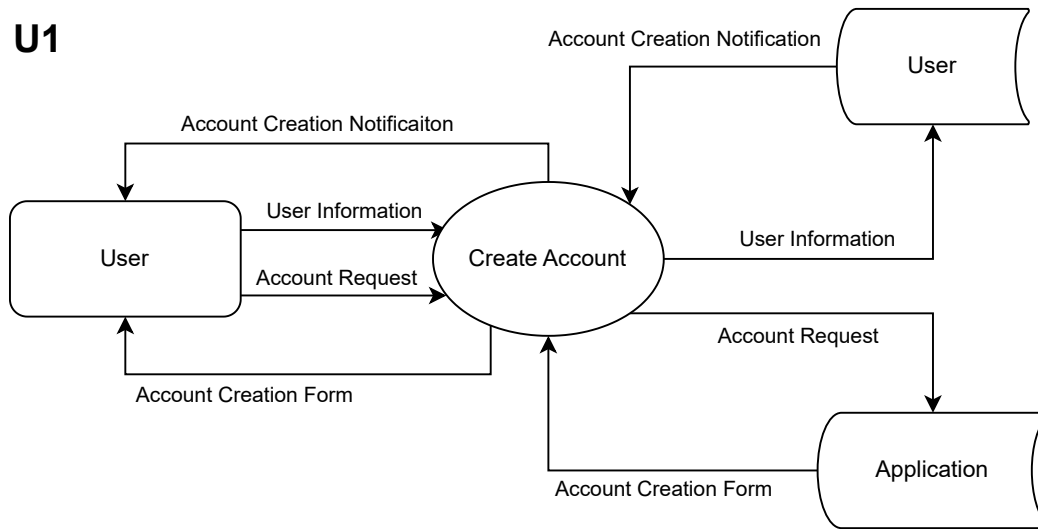


Process Specification:

View Quiz Statistics

- Purpose: A student can view their quiz statistics
- Input: Quiz Stats Request
- Output: Quiz Statistics
- Process: A student presses a button to request their quiz statistics. The database receives the request and sends the appropriate quiz statistics back to the student.

U1

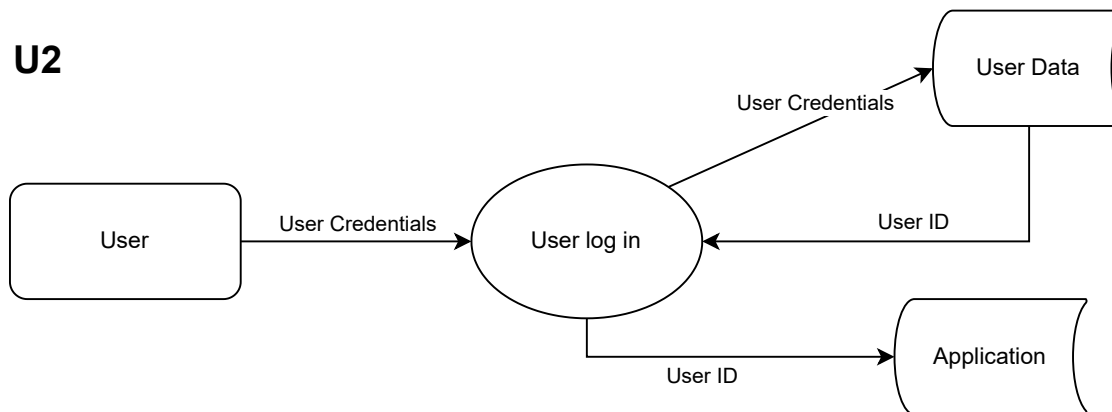


Process Specification

Create Account

- Purpose: Allow a user to create an account on the application
- Input: Account Request, User Information
- Output: Account Creation Form, Account Creation Notification
- Process: A user requests to make an account which causes the application to show a page with the account creation form. The user fills in and submits the form, sending their information into the database. From the information in the database, the account is created and a notification is sent to the user.

U2

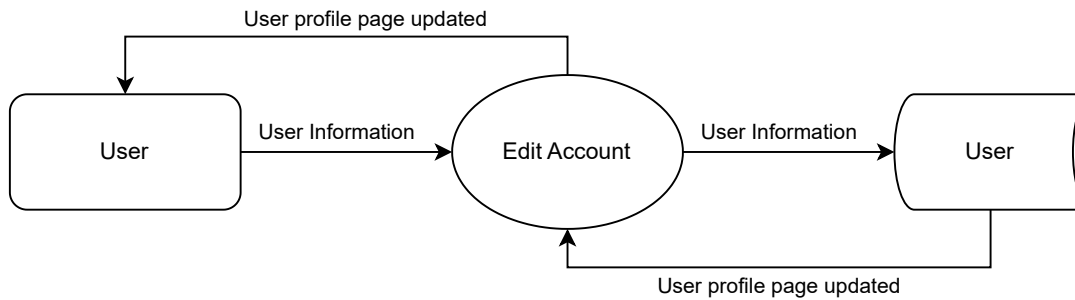


Process Specification

User log in

- Purpose: The ability for a user to log into the application with the right credentials
- Input: User Credentials
- Output: User ID
- Process: A user enters the application and proceeds to the page to log in to their account. The user fills in their account information and hits submit. The user credentials are sent to application and checked against the database information about the user. If correct, the application processes the user's user id and the application displays the user's home page. If incorrect, the user sees an error notification by the incorrect input.

U3

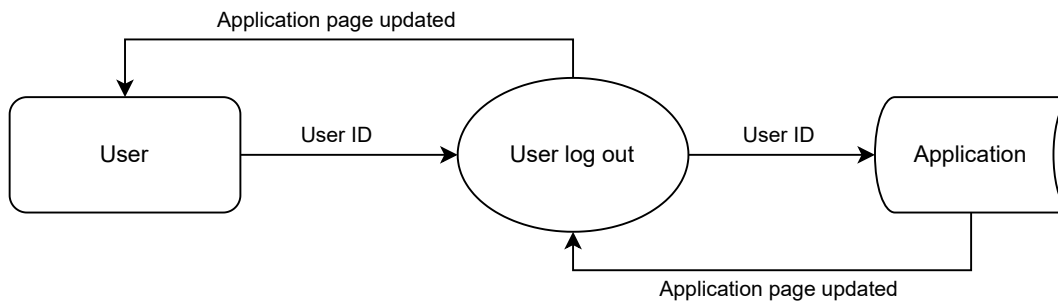


Process Specification

Edit Account

- Purpose: A User can edit and add personal information to their account
- Input: User Information
- Output: User profile page updated
- Process: A user is logged into their account and clicks on the edit account button. The user then adds, removes, or otherwise edits their information and submits it. The database is updated with the new information and the user's profile now displays the updated information for their profile.

U4



Process Specification:

User Log Out

- Purpose: A user can log out of the application
- Input: User ID
- Output: Application page updated
- Process: A user is logged in and presses the log out button. The application then logs the user out of the application so that the page displays the general home page and the user's information can no longer be accessed.